

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009250.D
 Acq On : 01 May 2019 11:07
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:03 AM

Quant Time: May 02 06:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	32075	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	268501	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	274782	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	101317	38.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	127.93%
60) 4-Bromofluorobenzene	11.13	95	144242	30.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.97%
63) Toluene-d8	8.71	98	370819	27.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	8130	4.808 ug/l	86
3) Chloromethane	1.32	50	10911	4.853 ug/l	97
4) Vinyl Chloride	1.41	62	10981	4.843 ug/l	96
5) Bromomethane	1.64	94	6445	5.012 ug/l	97
6) Chloroethane	1.72	64	7887	5.185 ug/l	96
7) Trichlorofluoromethane	1.93	101	14778	5.357 ug/l	97
8) Diethyl Ether	2.18	74	6958	5.428 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	9800	5.675 ug/l	98
10) 1,1-Dichloroethene	2.37	96	8867	5.112 ug/l	97
11) Methyl Iodide	2.51	142	7342	4.197 ug/l	96
12) Methyl Acetate	2.77	43	17190	5.425 ug/l	99
13) Acrolein	2.29	56	13458	32.495 ug/l	98
14) Acrylonitrile	3.14	53	34895	24.943 ug/l	100
15) Acetone	2.44	58	10681	25.700 ug/l	97
16) Carbon Disulfide	2.57	76	20884	4.489 ug/l	98
17) Allyl chloride	2.73	41	21082	5.156 ug/l	99
18) Methylene Chloride	2.85	84	11026	5.335 ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	9196	5.029 ug/l	96
20) Diisopropyl ether	3.85	45	43439	5.341 ug/l	98
21) 1,1-Dichloroethane	3.70	63	20649	5.306 ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	11522	5.228 ug/l	95
23) tert-Butyl Alcohol	3.04	59	13274	23.278 ug/l	# 99
24) Methyl tert-Butyl Ether	3.19	73	35915	5.434 ug/l	99
25) Chloroform	5.20	83	19380	5.388 ug/l	99
26) Cyclohexane	5.58	56	19089	5.148 ug/l	# 98
29) 1,1-Dichloropropene	5.79	75	14581	3.739 ug/l	99
30) 2-Butanone	4.67	43	53237	17.441 ug/l	100
31) 2,2-Dichloropropane	4.58	77	15887	3.732 ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	15626	3.815 ug/l	95
33) Carbon Tetrachloride	5.78	117	13007	3.735 ug/l	96
34) Benzene	6.14	78	44256	3.660 ug/l	97
35) Methacrylonitrile	5.04	41	10858	3.394 ug/l	94
36) 1,2-Dichloroethane	6.19	62	16836	3.865 ug/l	98
37) Trichloroethene	7.21	130	10842	3.828 ug/l	93
38) Methylcyclohexane	7.46	83	17517	3.675 ug/l	98
39) 1,2-Dichloropropane	7.51	63	12394	3.651 ug/l	97
40) Dibromomethane	7.66	93	7397	3.826 ug/l	98

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	14227	3.674	ug/l	92
42) Vinyl Acetate	3.81	43	173719	17.171	ug/l	100
43) Ethyl Acetate	4.83	43	17811	3.154	ug/l	93
44) Isopropyl Acetate	6.44	43	31245	3.596	ug/l	99
45) 1,4-Dioxane	7.74	88	4831	55.928	ug/l #	85
46) Methyl methacrylate	7.77	41	14460	3.292	ug/l	94
47) n-amyl Acetate	10.90	43	26915	3.469	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	15330	3.462	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	17293	3.508	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	11061	3.726	ug/l	97
51) Ethyl methacrylate	9.18	69	18170	3.371	ug/l	98
52) 1,3-Dichloropropane	9.37	76	19142	3.630	ug/l	97
53) Dibromochloromethane	9.58	129	10097	3.538	ug/l	100
54) 1,2-Dibromoethane	9.67	107	11103	3.682	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	50864	16.749	ug/l	99
56) Bromoform	10.85	173	7460	3.517	ug/l #	96
58) 4-Methyl-2-Pentanone	8.64	43	100703	14.988	ug/l	99
59) 2-Hexanone	9.49	43	77379	14.602	ug/l	99
61) Tetrachloroethene	9.34	164	9850	3.255	ug/l	94
62) Toluene	8.78	91	46565	3.155	ug/l	99
64) Chlorobenzene	10.13	112	28019	3.218	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	9896	3.140	ug/l	98
66) Ethyl Benzene	10.25	91	51349	3.153	ug/l	99
67) m/p-Xylenes	10.36	106	37237	6.280	ug/l	99
68) o-Xylene	10.69	106	18711	3.246	ug/l	96
69) Styrene	10.71	104	31083	3.069	ug/l	99
70) Isopropylbenzene	11.02	105	49814	3.171	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	18358	3.250	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	15139m	3.039	ug/l	
73) Bromobenzene	11.25	156	12132	3.139	ug/l	97
74) n-propylbenzene	11.36	91	57763	3.202	ug/l	99
75) 2-Chlorotoluene	11.41	91	34651	3.190	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	41220	3.124	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	5079	2.763	ug/l	92
78) 4-Chlorotoluene	11.51	91	38771	3.189	ug/l	98
79) tert-butylbenzene	11.77	119	41108	3.226	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	41595	3.157	ug/l	100
81) sec-Butylbenzene	11.94	105	48888	3.238	ug/l	98
82) p-Isopropyltoluene	12.06	119	43660	3.187	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	21422	3.197	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	21758	3.296	ug/l	97
85) n-Butylbenzene	12.38	91	37878	3.116	ug/l	99
86) Hexachloroethane	12.59	117	6928	2.979	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	21808	3.184	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	3785	2.903	ug/l	90
89) 1,2,4-Trichlorobenzene	13.65	180	15006	3.200	ug/l	97
90) Hexachlorobutadiene	13.78	225	7765	3.266	ug/l	99
91) Naphthalene	13.83	128	47894	2.982	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	15763	3.195	ug/l	100

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

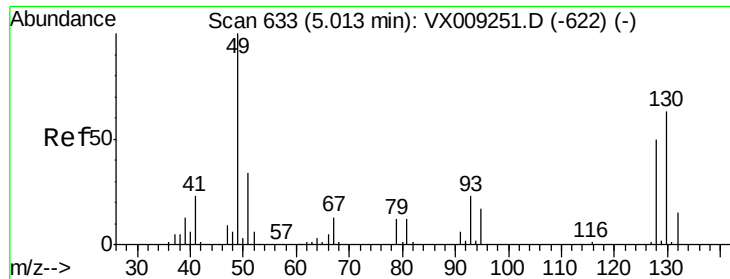
Manual Integrations
APPROVED

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5/2/2019 10:53:03 AM

Quant Time: May 02 06:39:25 2019
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QLast Update : Thu May 02 06:30:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:128 Resp: 32075

Ion Ratio Lower Upper

128 100

49 202.2 0.0 515.0

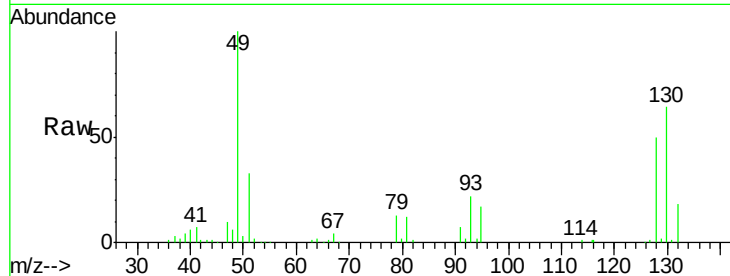
130 128.9 0.0 323.3

Manual Integrations

APPROVED

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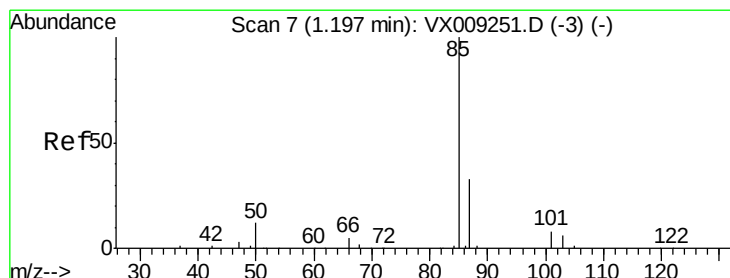
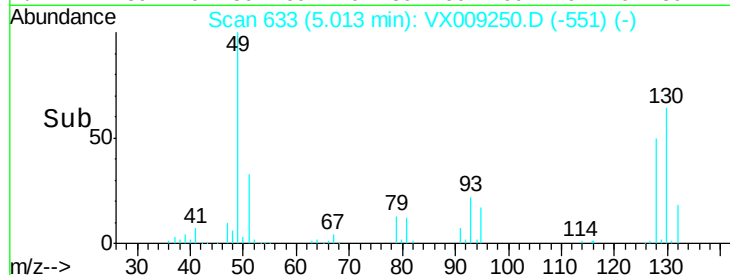
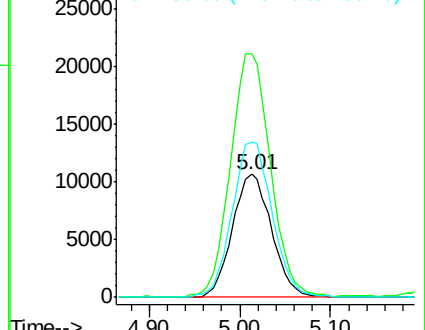
5/2/2019 10:53:03 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.808 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009250.D

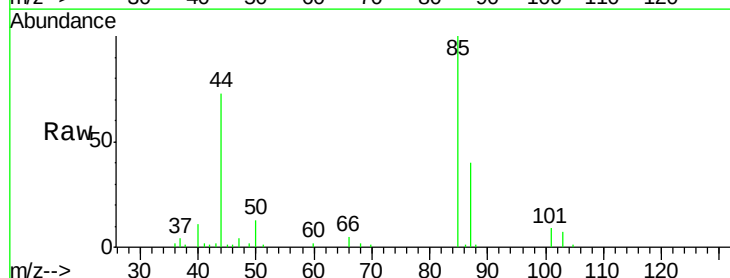
Acq: 01 May 2019 11:07

Tgt Ion: 85 Resp: 8130

Ion Ratio Lower Upper

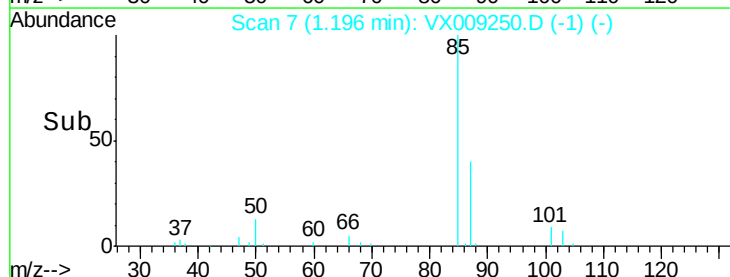
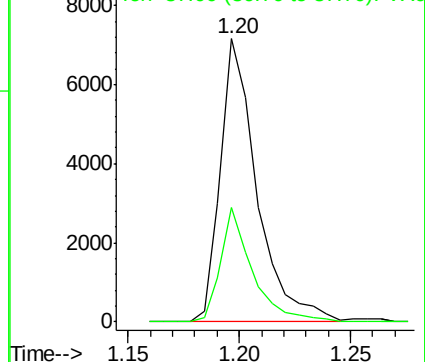
85 100

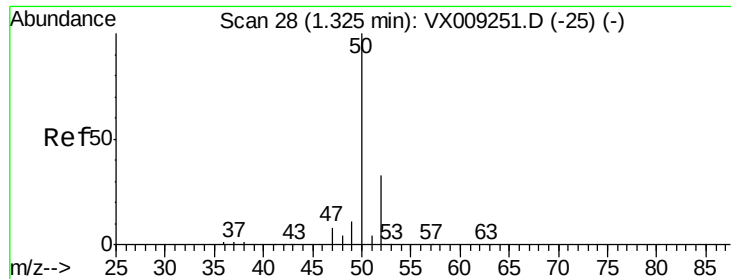
87 40.3 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 4.853 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10911

Ion Ratio Lower Upper

50 100

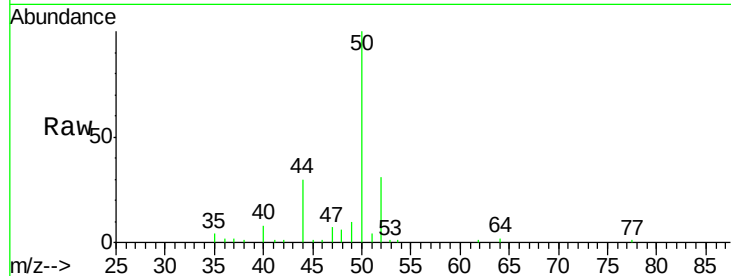
52 31.5 26.3 39.5

Manual Integrations

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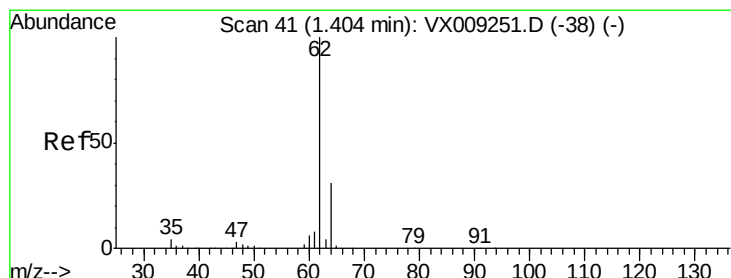
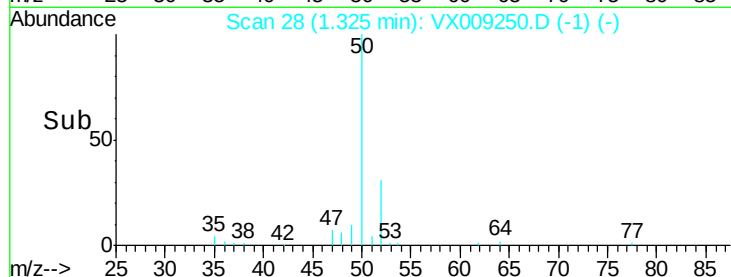
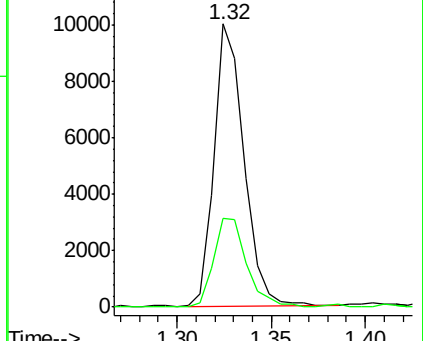
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5/2/2019 10:53:03 AM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 4.843 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009250.D

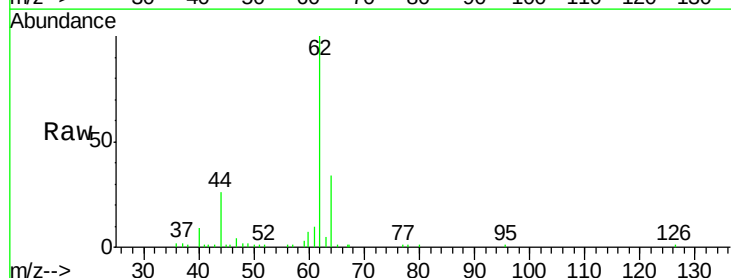
Acq: 01 May 2019 11:07

Tgt Ion: 62 Resp: 10981

Ion Ratio Lower Upper

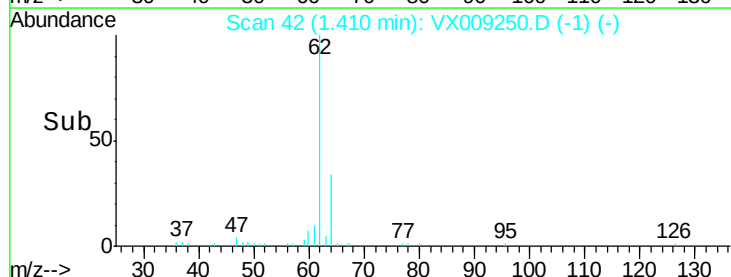
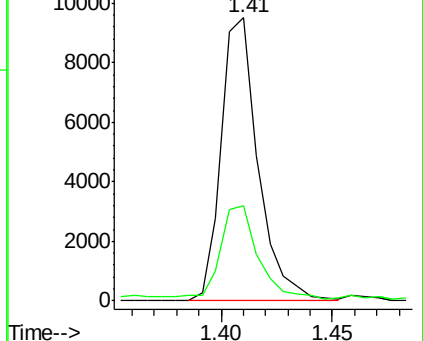
62 100

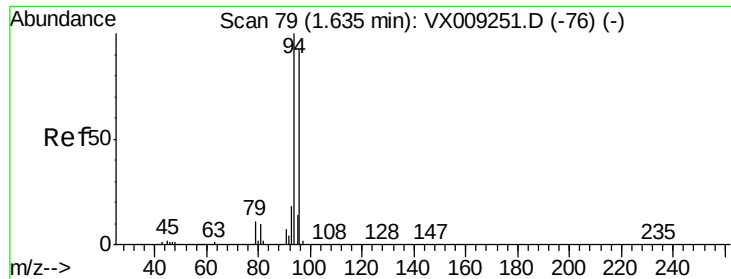
64 32.8 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 5.012 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6445

Ion Ratio Lower Upper

94 100

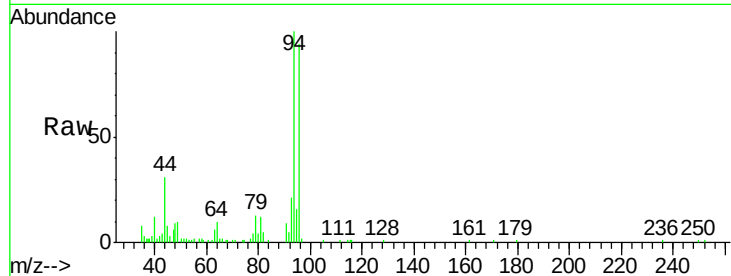
96 94.6 73.5 110.3

Manual Integrations

APPROVED

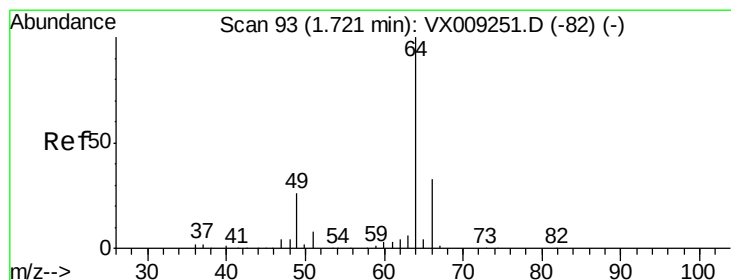
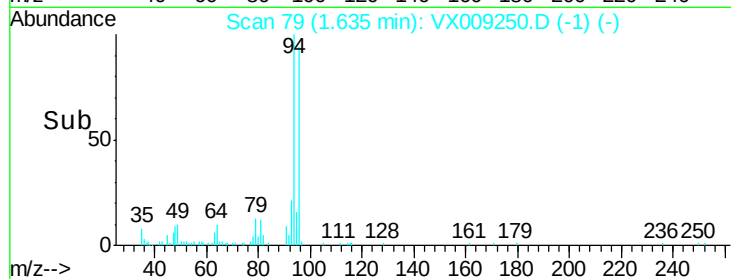
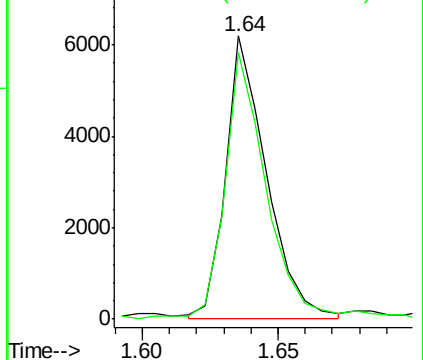
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 5.185 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009250.D

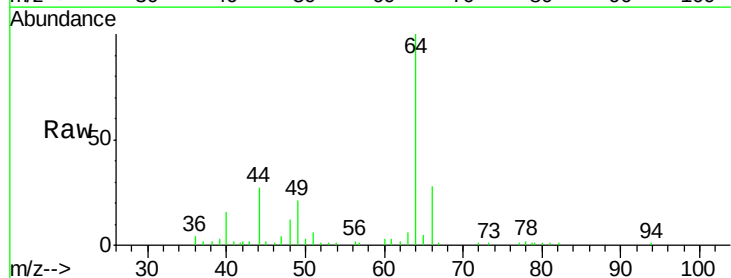
Acq: 01 May 2019 11:07

Tgt Ion: 64 Resp: 7887

Ion Ratio Lower Upper

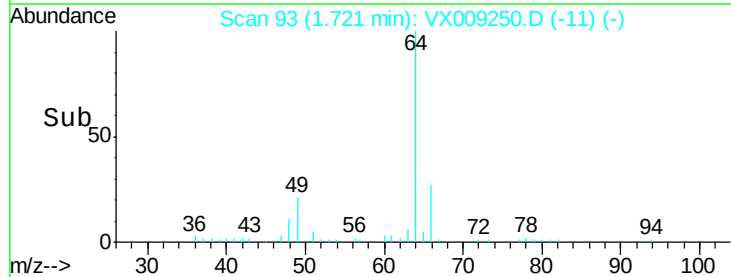
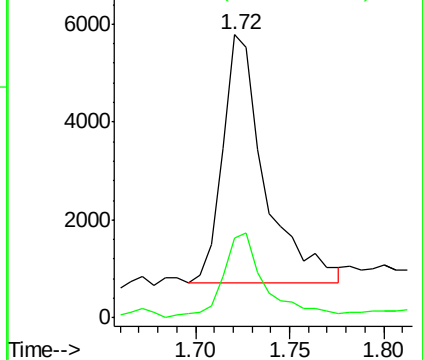
64 100

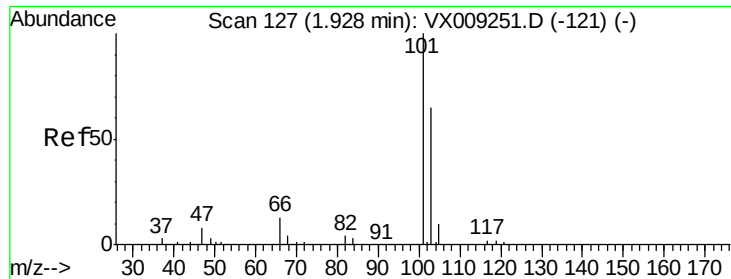
66 30.3 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

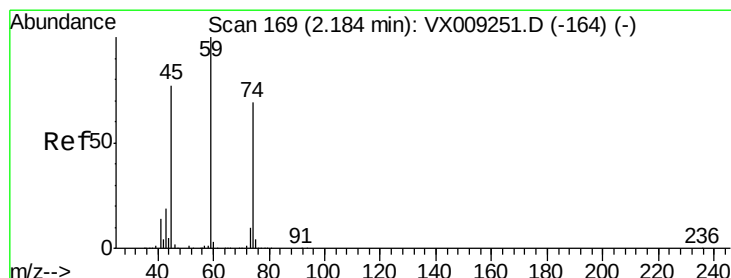
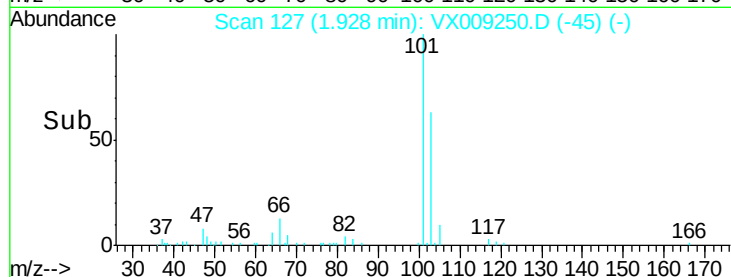
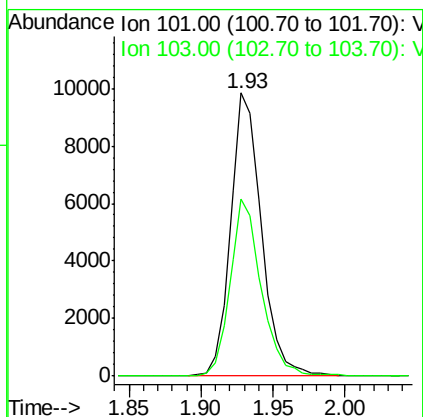
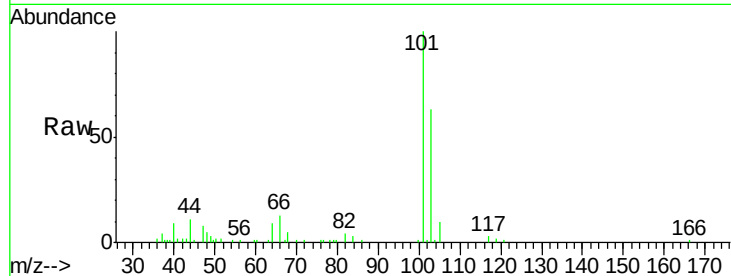
Trichlorofluoromethane
Concen: 5.357 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 14778
Ion Ratio Lower Upper
101 100
103 62.8 51.9 77.9

Manual Integrations
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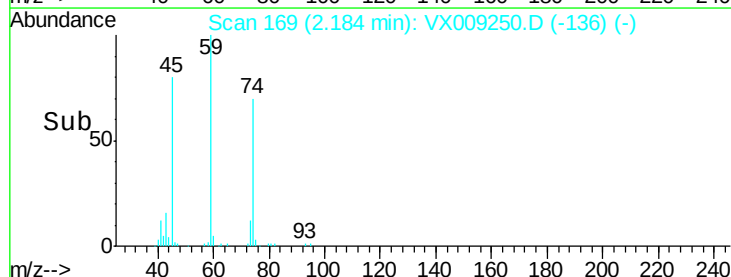
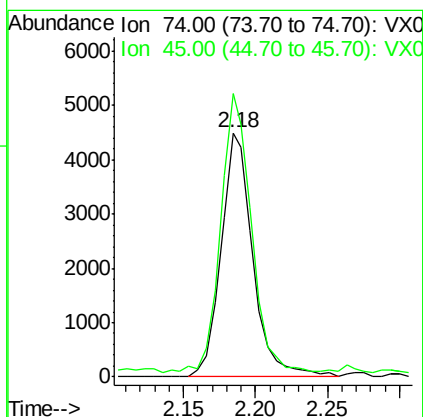
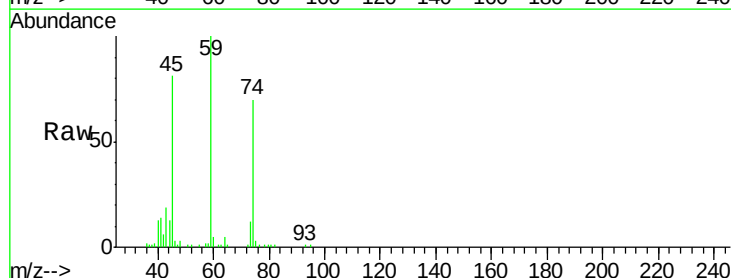
MMDadoda
5/2/2019 10:53:03 AM

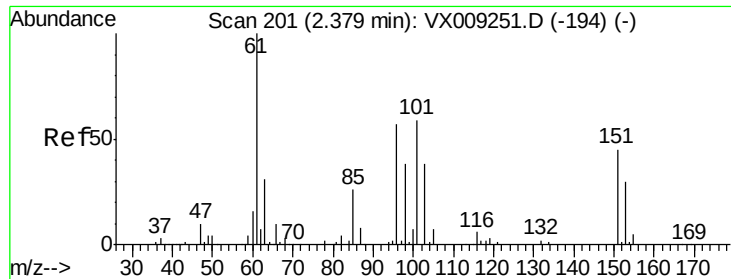


#8

Diethyl Ether
Concen: 5.428 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion: 74 Resp: 6958
Ion Ratio Lower Upper
74 100
45 108.6 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.675 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

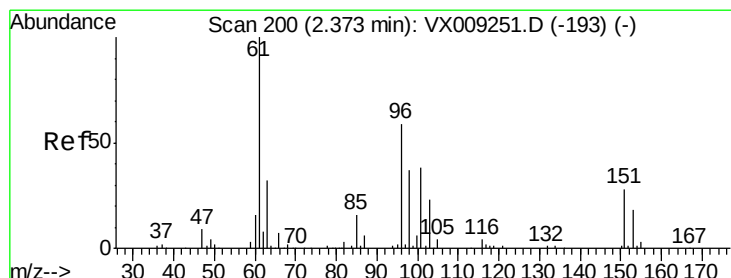
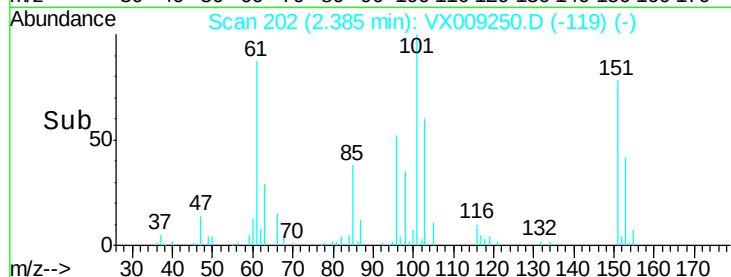
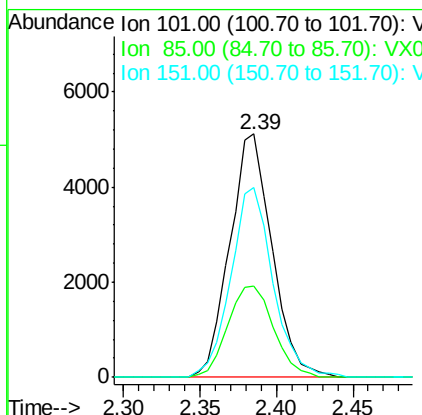
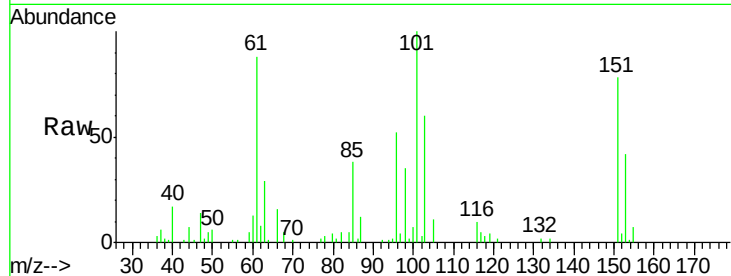
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	9800
Ion Ratio	Lower	Upper	
101	100		
85	40.8	0.0	87.4
151	78.2	0.0	157.0

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 5.112 ug/l

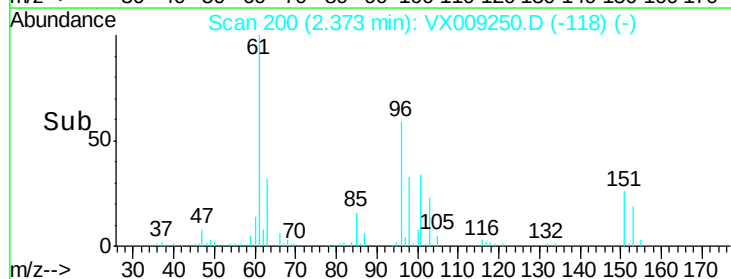
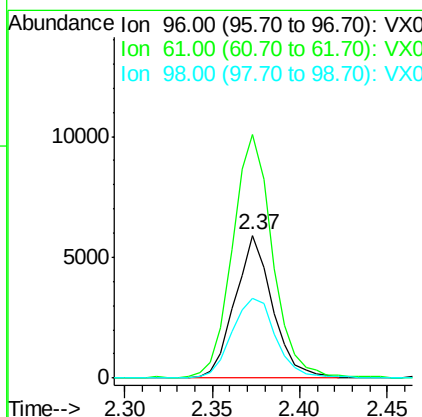
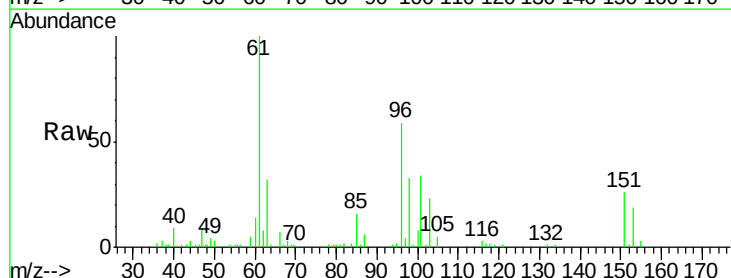
RT: 2.37 min Scan# 200

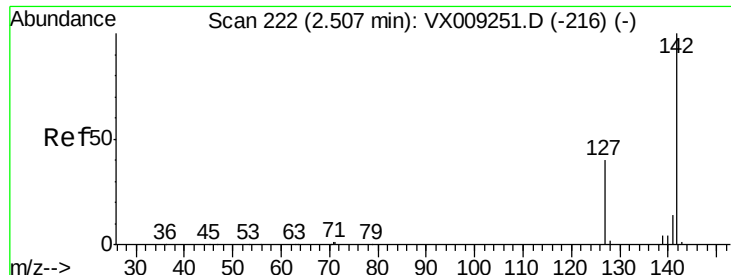
Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	96	Resp:	8867
Ion Ratio	Lower	Upper	
96	100		
61	169.2	136.5	204.7
98	55.9	51.0	76.4





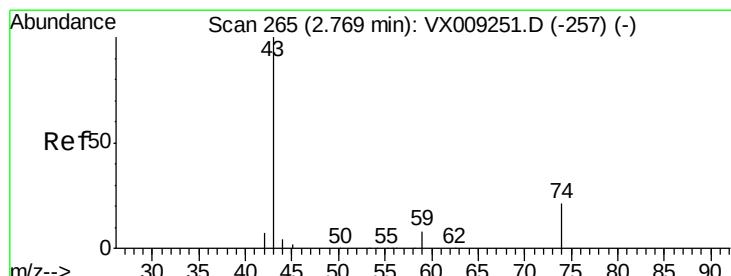
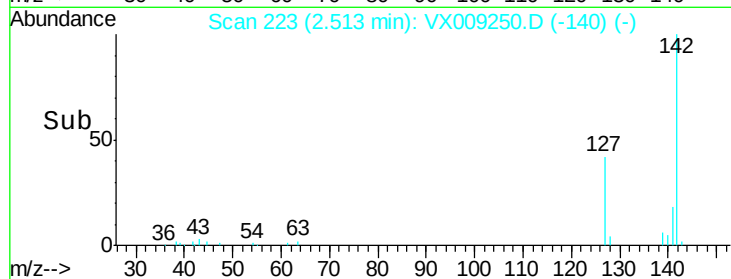
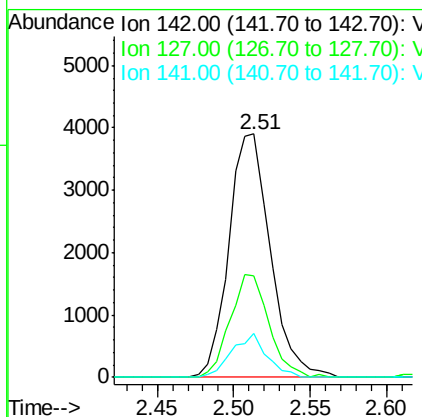
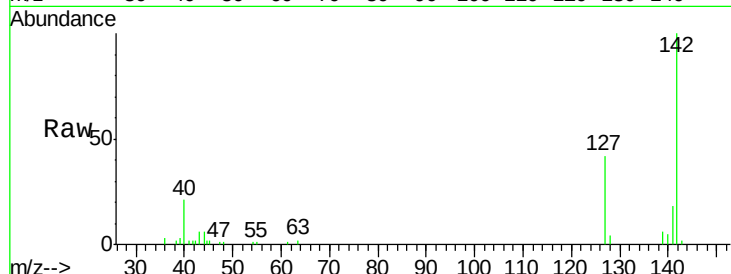
#11
Methyl Iodide
Concen: 4.197 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.6	20.2	60.5
141	18.0	6.9	20.7

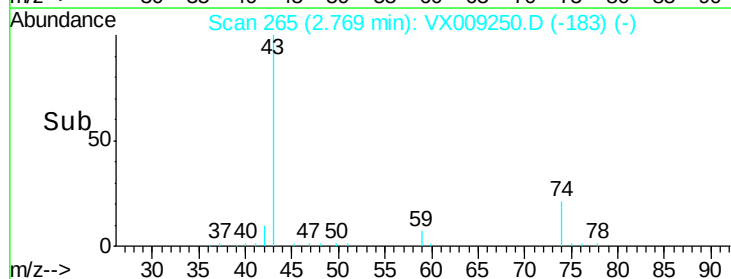
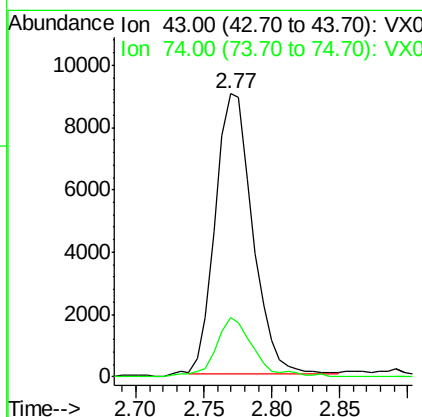
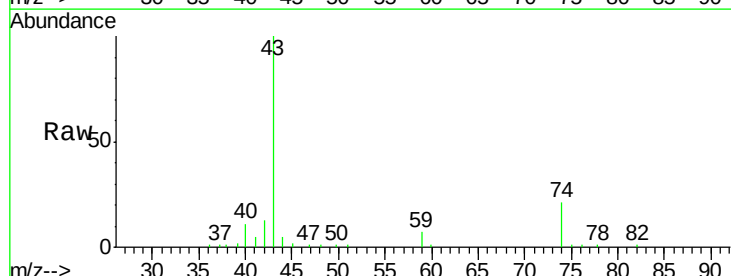
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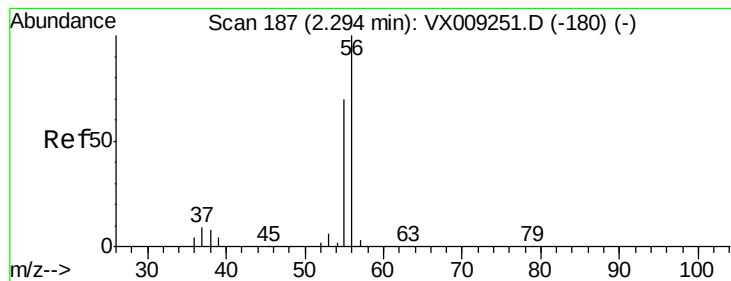
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#12
Methyl Acetate
Concen: 5.425 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.5	24.7





#13

Acrolein

Concen: 32.495 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 13458

Ion Ratio Lower Upper

56 100

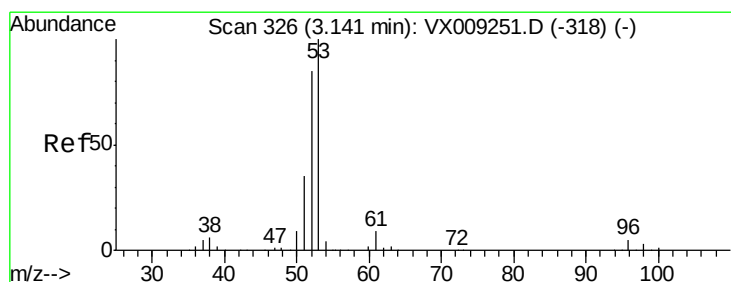
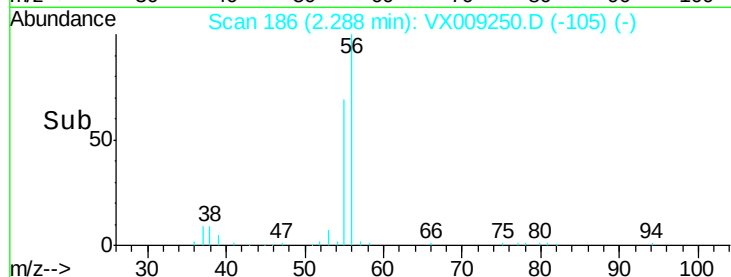
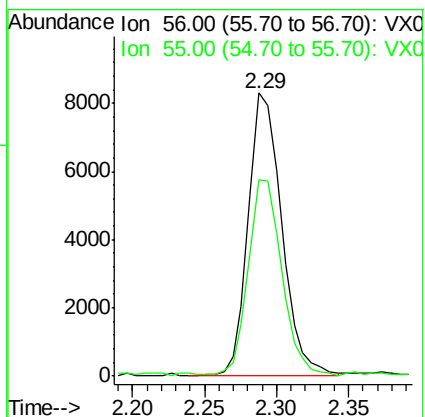
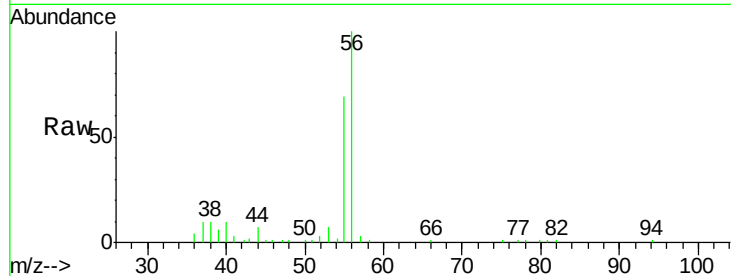
55 69.3 56.9 85.3

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#14

Acrylonitrile

Concen: 24.943 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

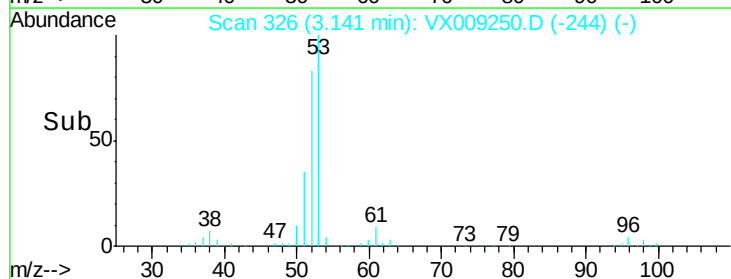
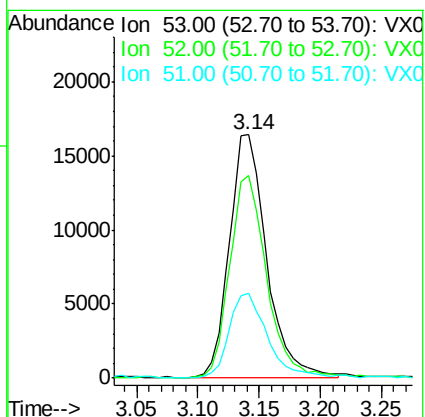
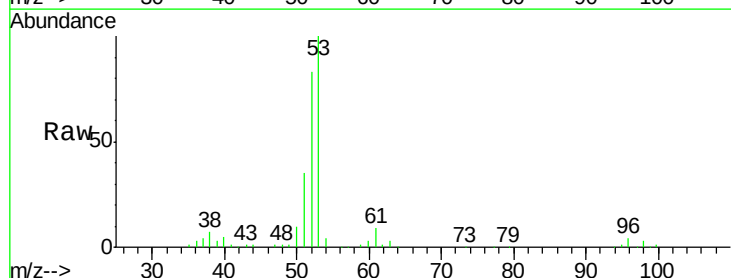
Tgt Ion: 53 Resp: 34895

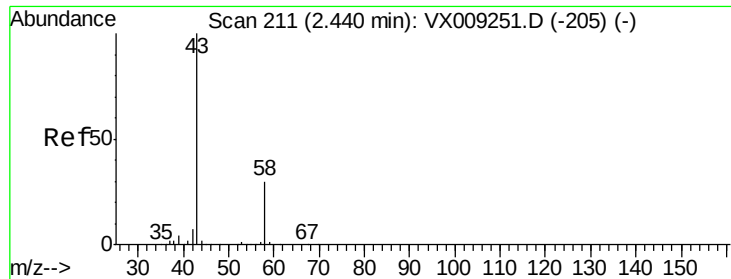
Ion Ratio Lower Upper

53 100

52 82.9 41.5 124.5

51 35.5 17.8 53.3





#15

Acetone

Concen: 25.700 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 10681

Ion Ratio Lower Upper

58 100

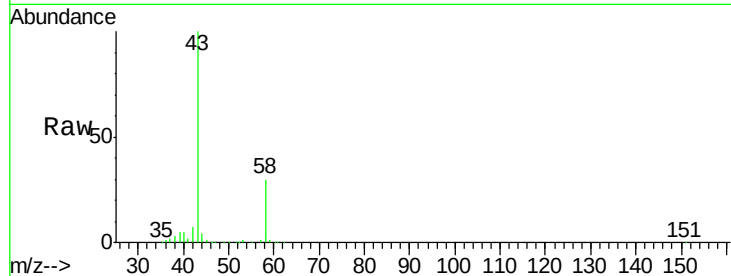
43 336.5 264.0 396.0

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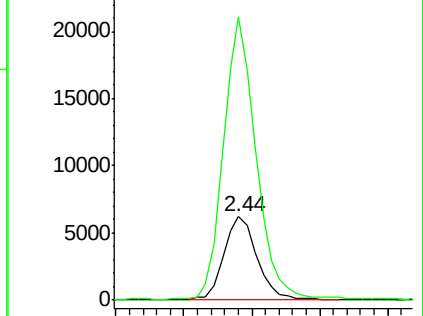
MMDadoda

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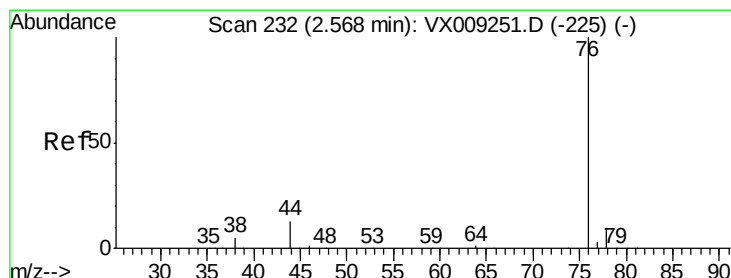
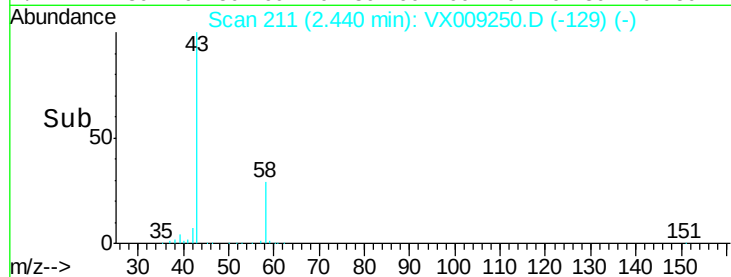


Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



Time--> 2.35 2.40 2.45 2.50 2.55



#16

Carbon Disulfide

Concen: 4.489 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009250.D

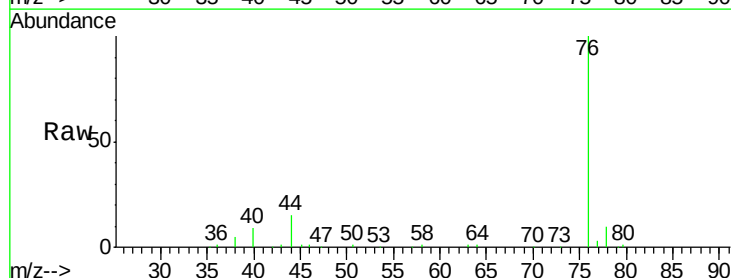
Acq: 01 May 2019 11:07

Tgt Ion: 76 Resp: 20884

Ion Ratio Lower Upper

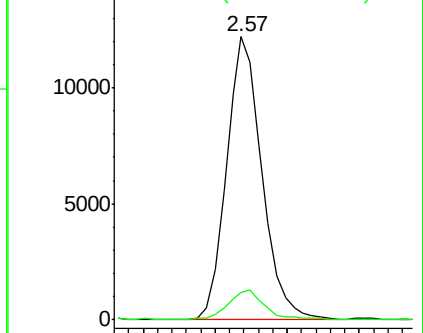
76 100

78 9.9 7.4 11.2

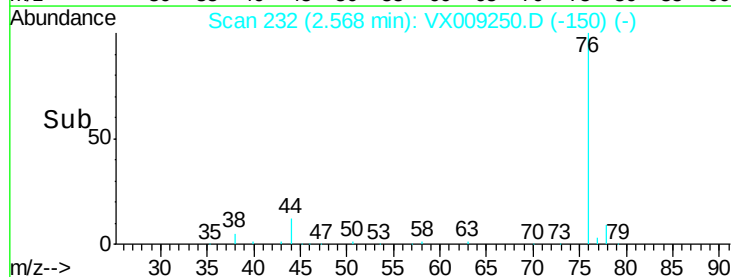


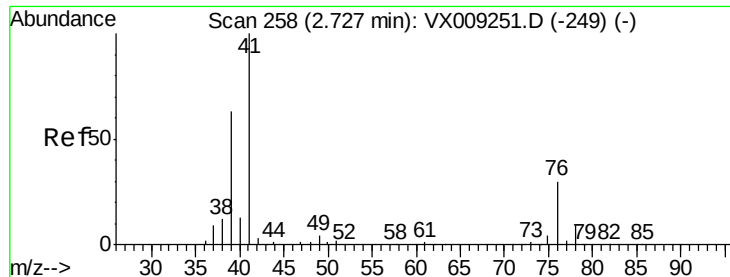
Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



Time--> 2.50 2.55 2.60 2.65





#17

Allvl chloride

Concen: 5.156 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

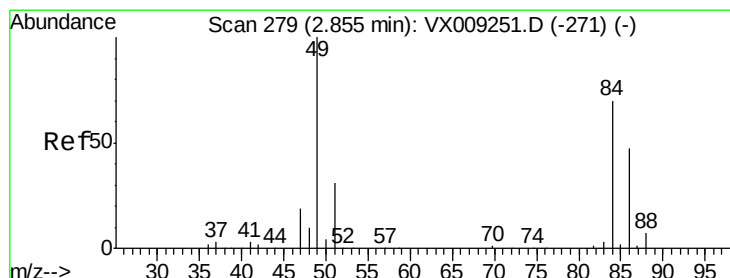
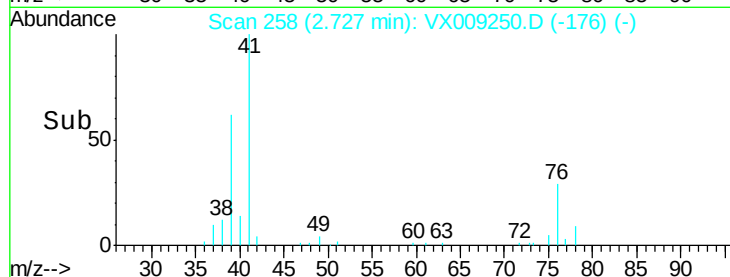
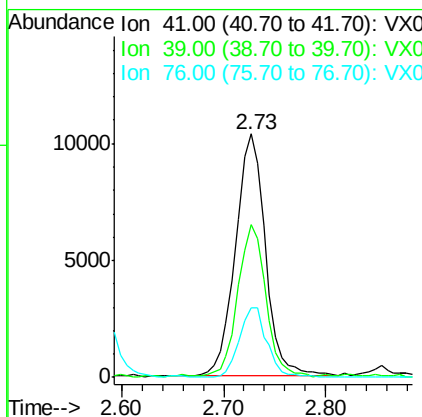
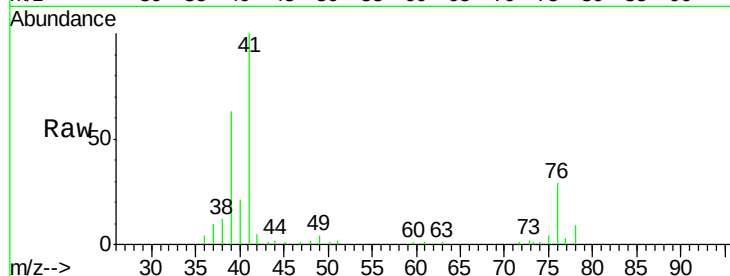
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	21082
Ion	Ratio	Lower	Upper
41	100		
39	62.3	31.6	94.7
76	28.9	15.1	45.3

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#18

Methylene Chloride

Concen: 5.335 ug/l

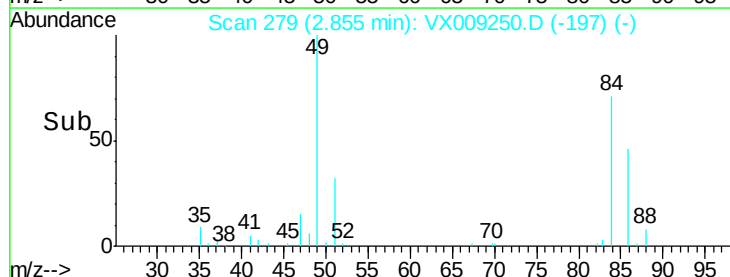
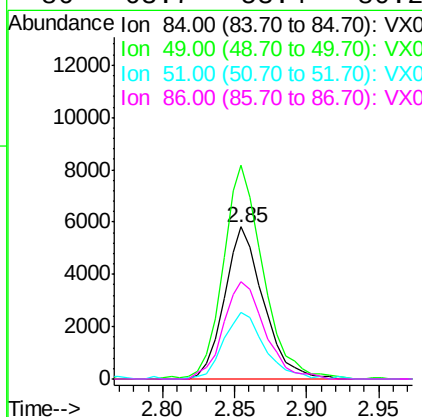
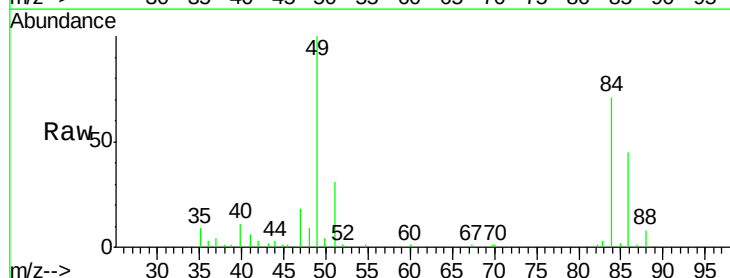
RT: 2.85 min Scan# 279

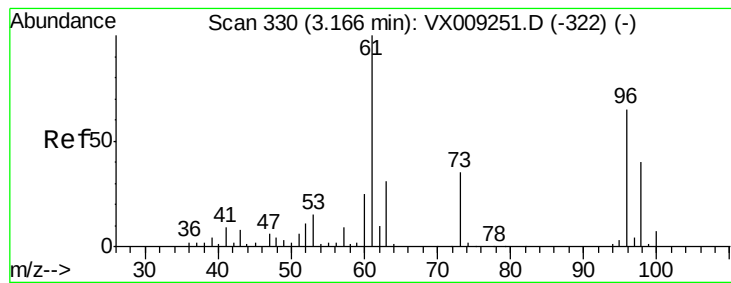
Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	84	Resp:	11026
Ion	Ratio	Lower	Upper
84	100		
49	138.7	114.6	171.8
51	43.1	35.5	53.3
86	63.7	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 5.029 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 9196

Ion Ratio Lower Upper

96 100

61 149.0 122.7 184.1

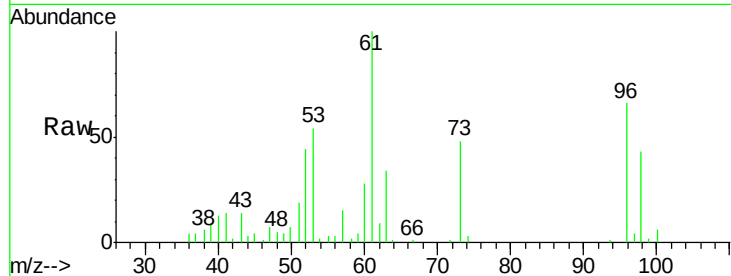
98 64.9 49.5 74.3

Manual Integrations

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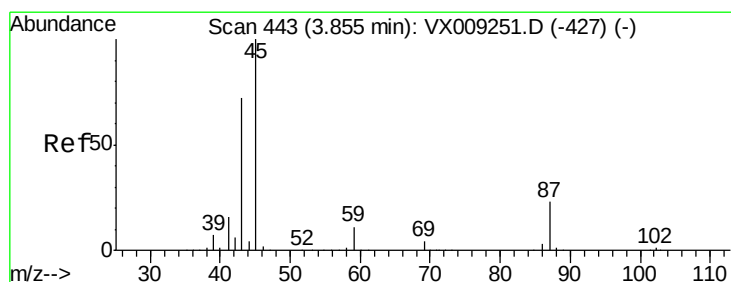
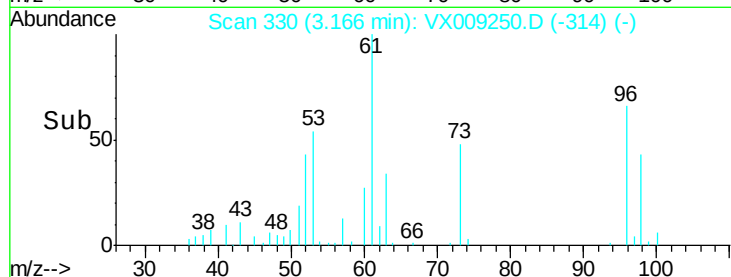
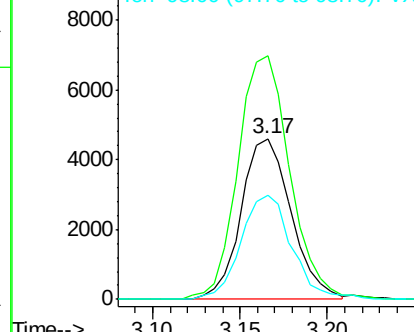
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Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 5.341 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion: 45 Resp: 43439

Ion Ratio Lower Upper

45 100

43 69.9 57.7 86.5

87 23.4 18.5 27.7

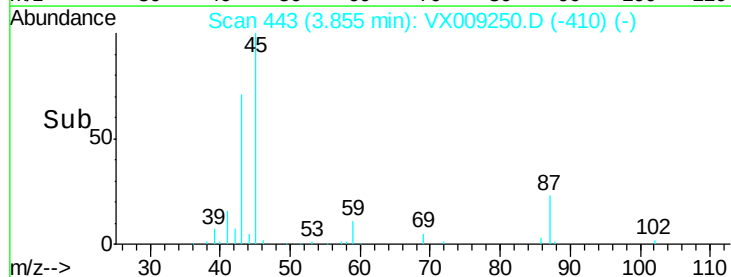
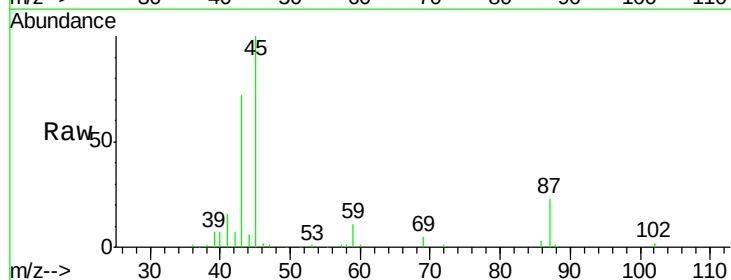
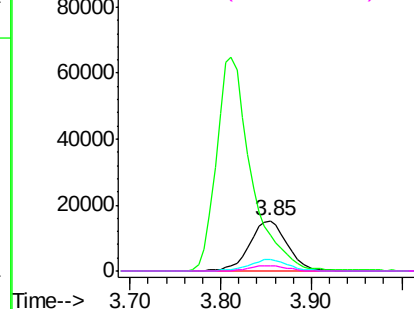
59 10.8 8.8 13.2

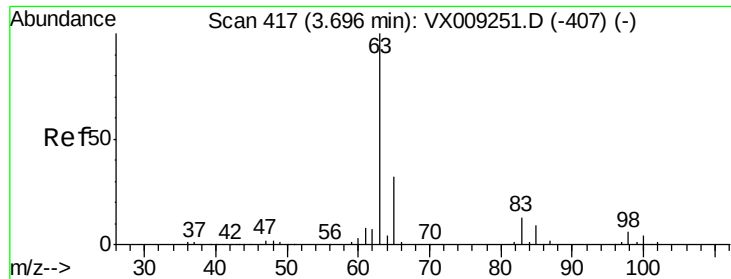
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 5.306 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

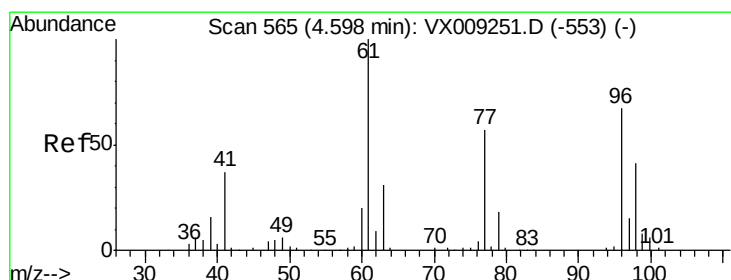
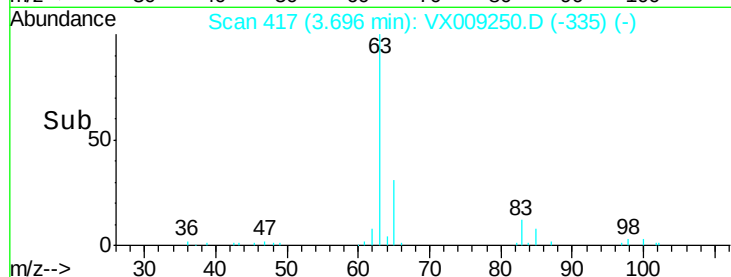
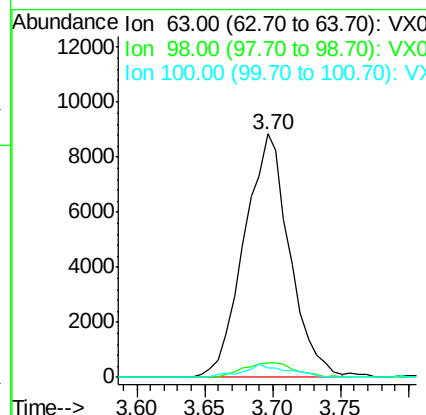
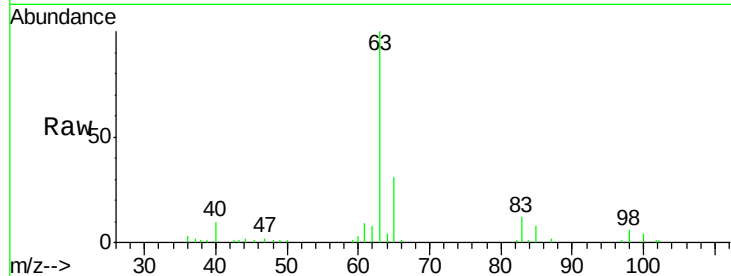
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	20649
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.1	9.3
100	4.0	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 5.228 ug/l

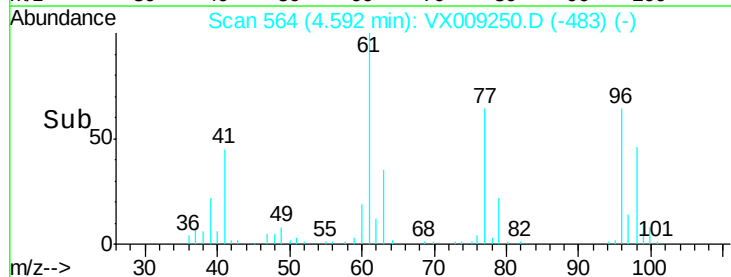
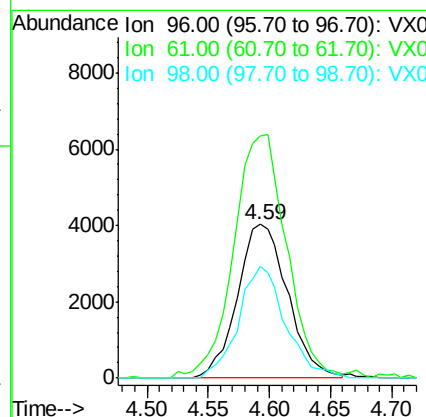
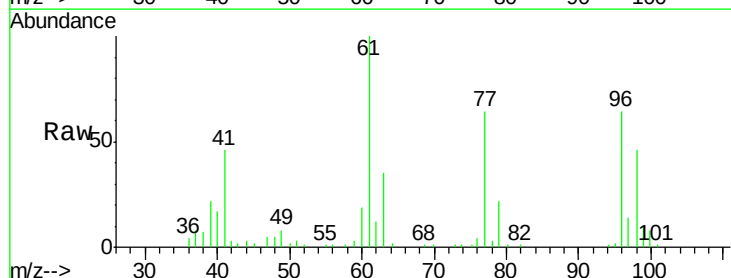
RT: 4.59 min Scan# 564

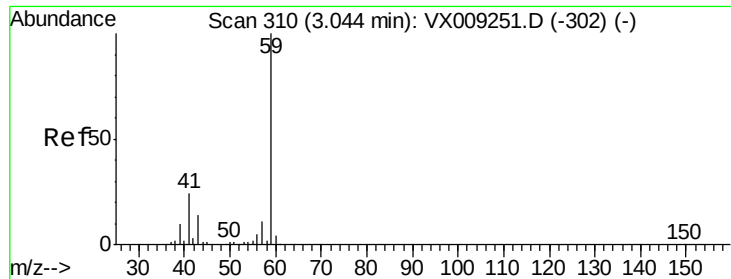
Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	96	Resp:	11522
Ion	Ratio	Lower	Upper
96	100		
61	164.6	127.7	191.5
98	68.1	50.5	75.7





#23

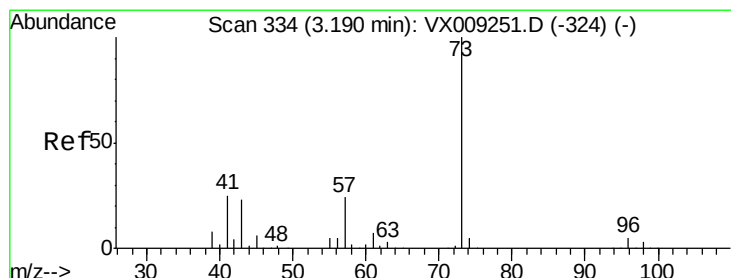
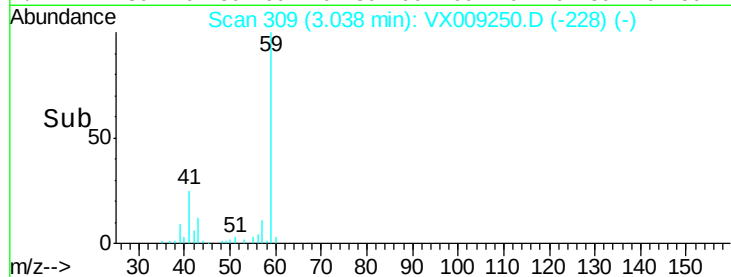
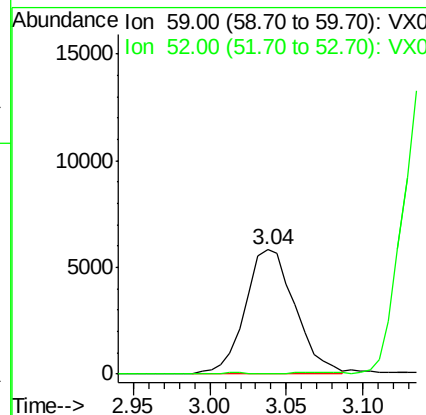
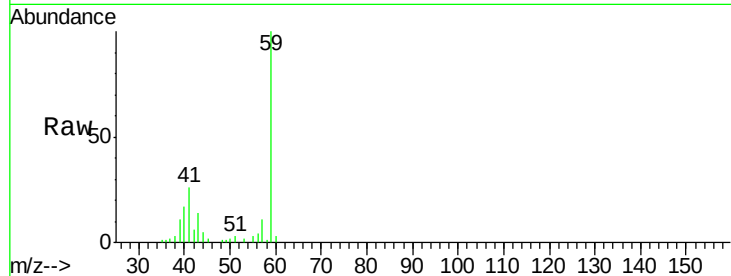
tert-Butyl Alcohol
Concen: 23.278 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 59 Resp: 13274
Ion Ratio Lower Upper
59 100
52 0.9 0.2 0.2#

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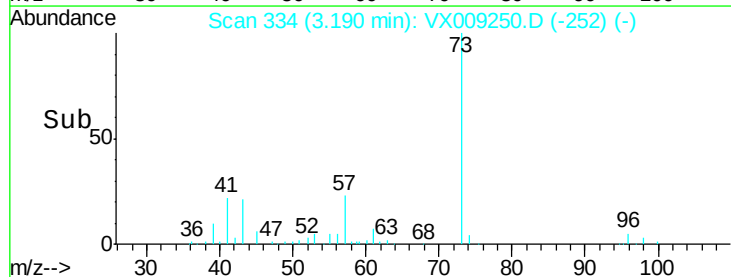
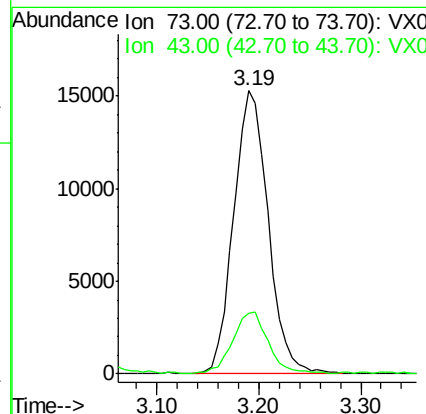
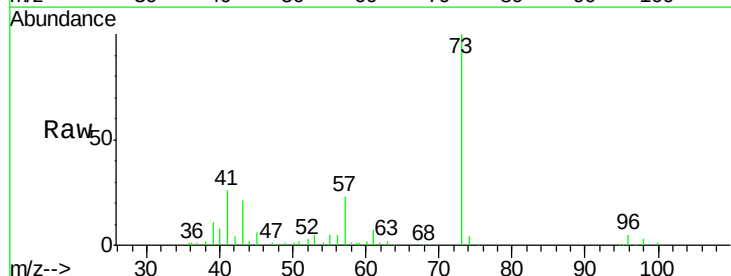
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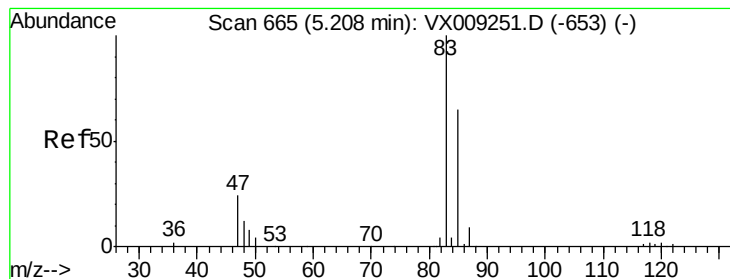


#24

Methyl tert-Butyl Ether
Concen: 5.434 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion: 73 Resp: 35915
Ion Ratio Lower Upper
73 100
43 22.7 17.6 26.4





#25

Chloroform

Concen: 5.388 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 19380

Ion Ratio Lower Upper

83 100

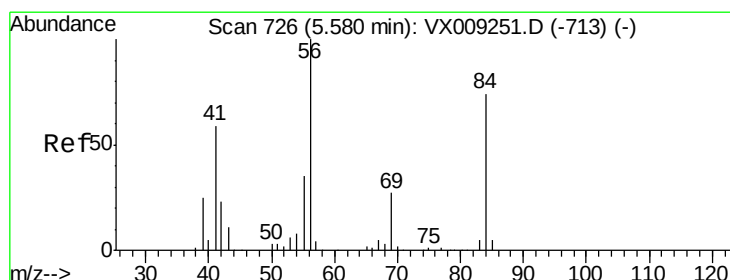
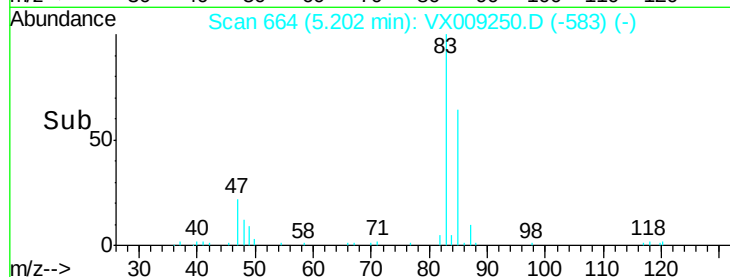
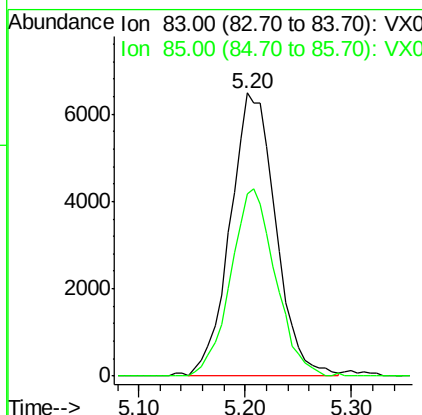
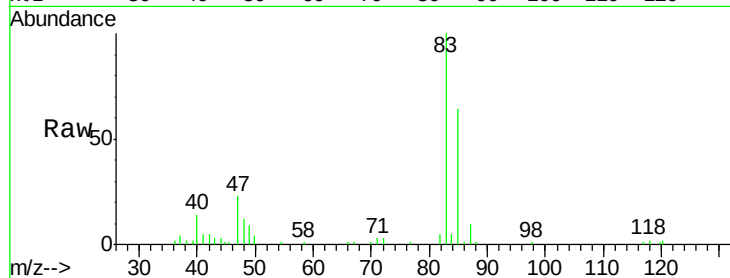
85 64.4 51.9 77.9

Manual Integrations

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#26

Cyclohexane

Concen: 5.148 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

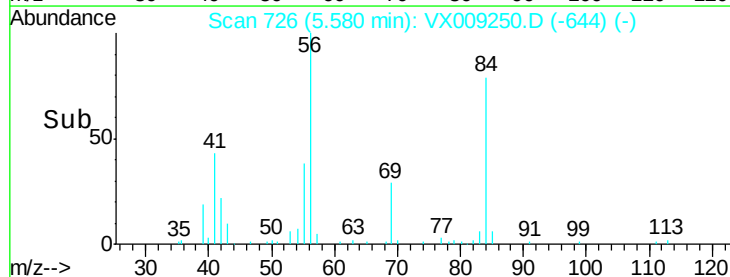
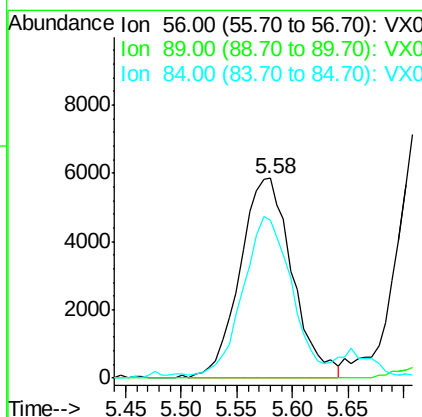
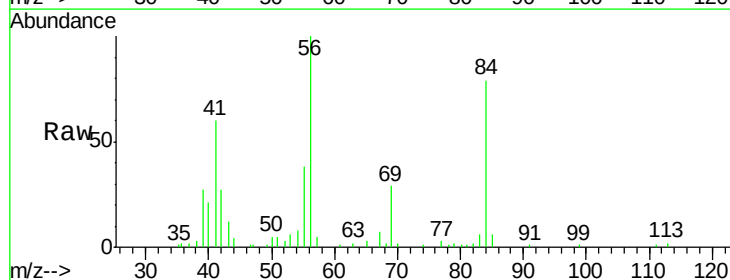
Tgt Ion: 56 Resp: 19089

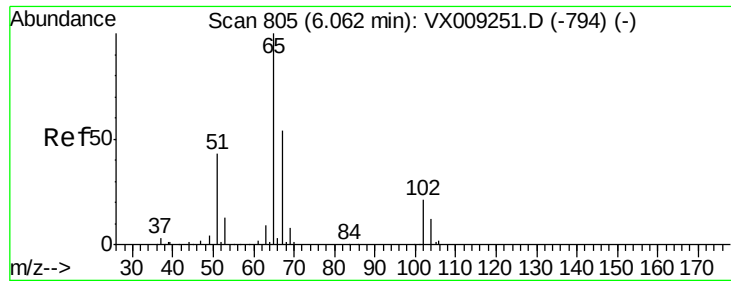
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 73.0 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 38.380 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 65 Resp: 101317

Ion Ratio Lower Upper

65 100

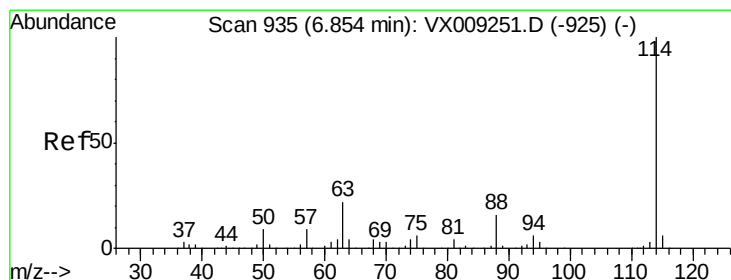
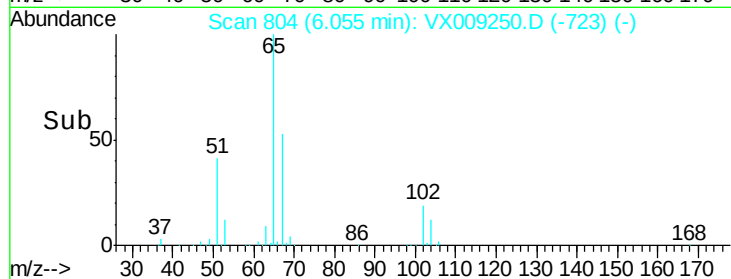
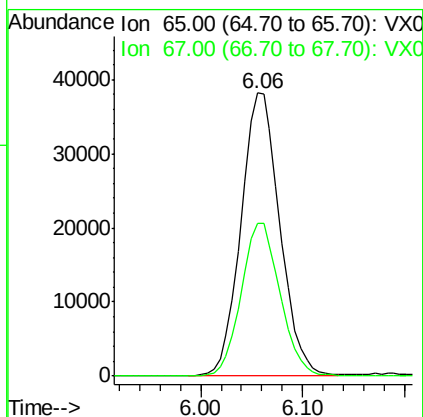
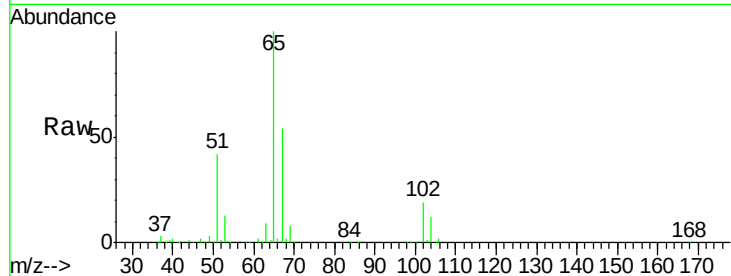
67 53.8 43.1 64.7

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

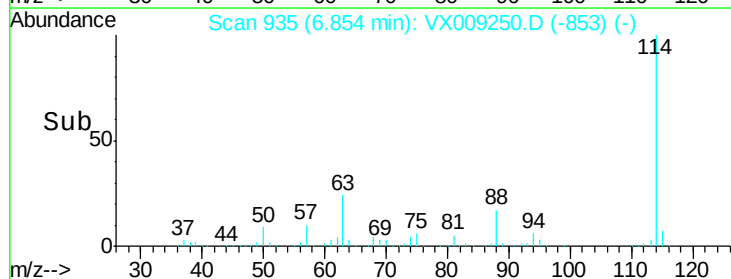
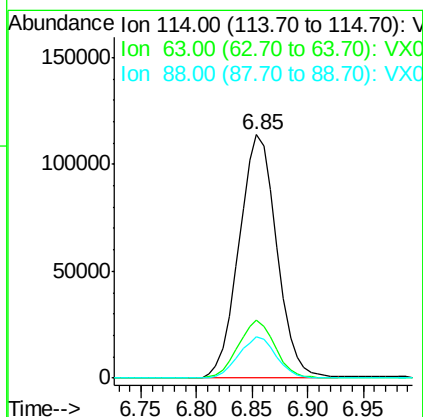
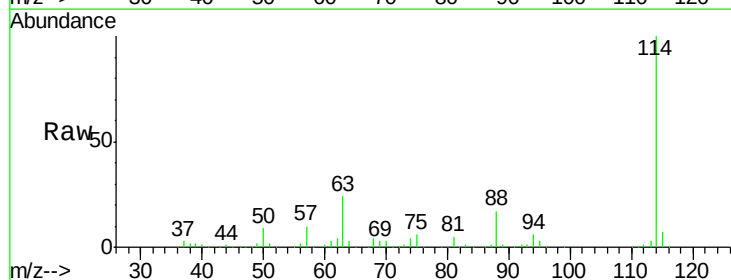
Tgt Ion: 114 Resp: 268501

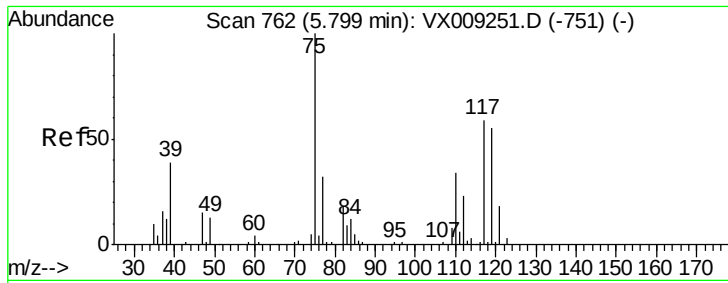
Ion Ratio Lower Upper

114 100

63 23.3 18.0 27.0

88 16.8 13.4 20.0





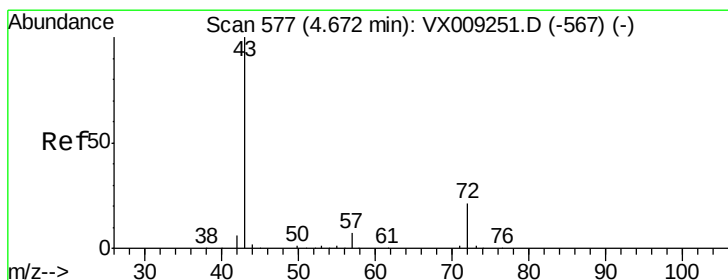
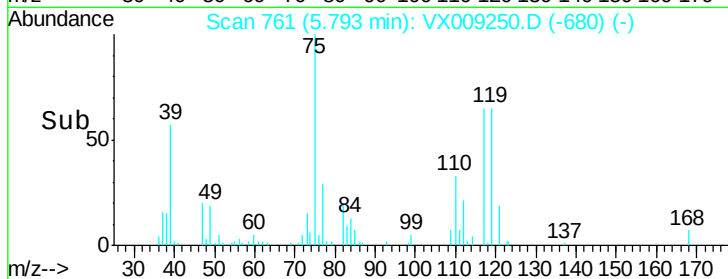
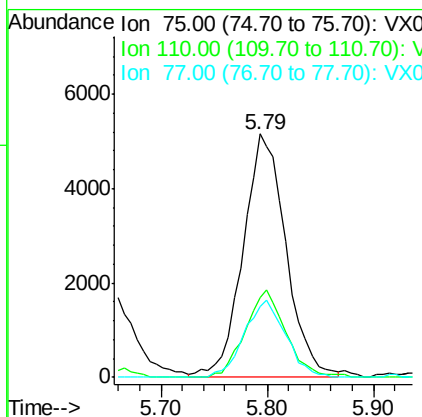
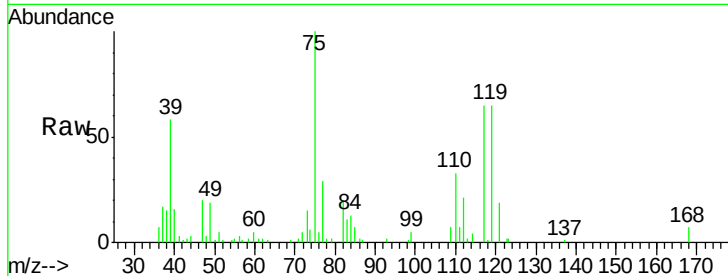
#29
 1,1-Dichloropropene
 Concen: 3.739 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.8	0.0	66.4
77	30.8	0.0	62.2

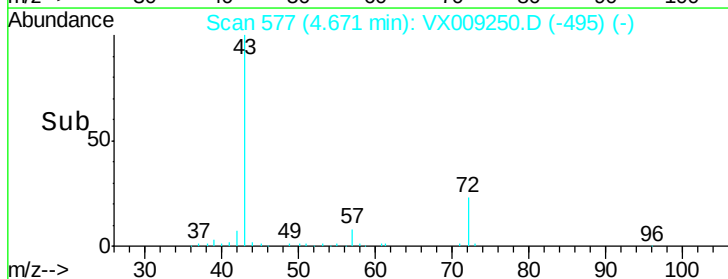
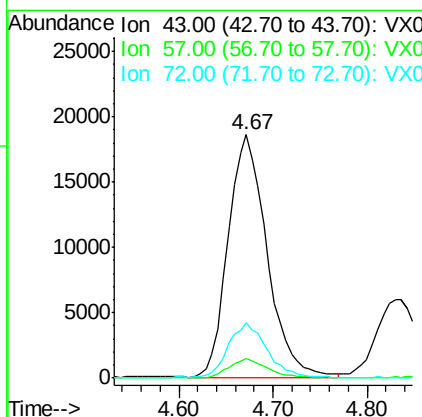
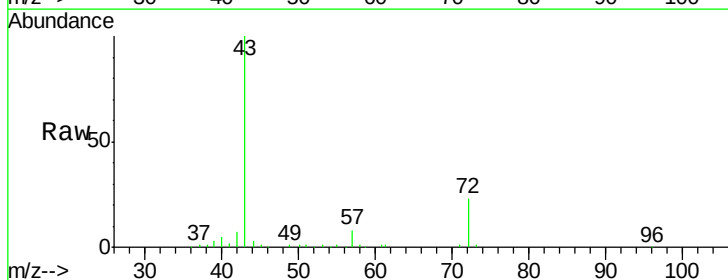
Manual Integrations
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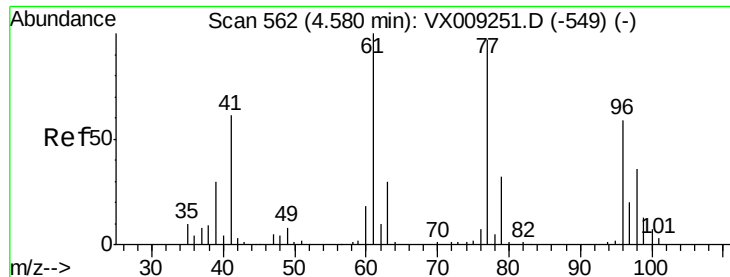
MMDadoda
 5/2/2019 10:53:03 AM



#30
 2-Butanone
 Concen: 17.441 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.0	9.0
72	22.9	18.2	27.4





#31

2,2-Dichloropropane

Concen: 3.732 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 15887

Ion Ratio Lower Upper

77 100

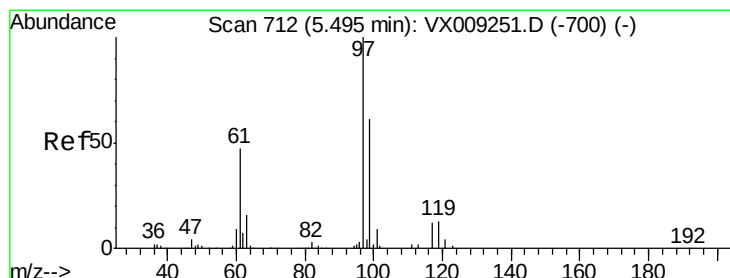
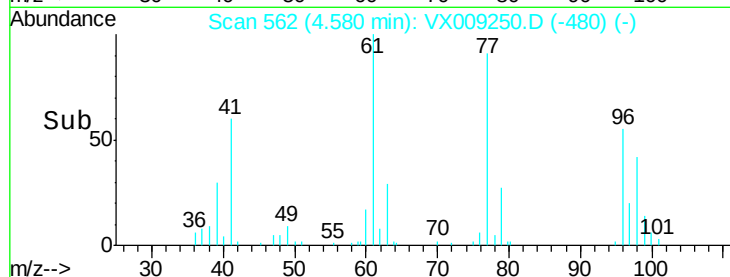
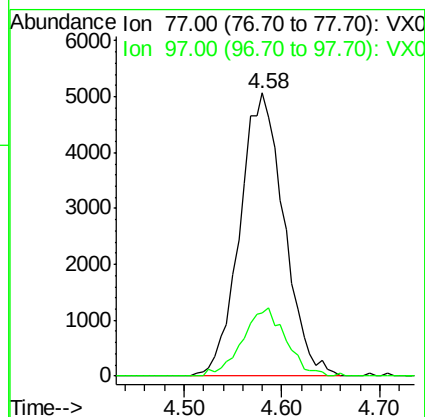
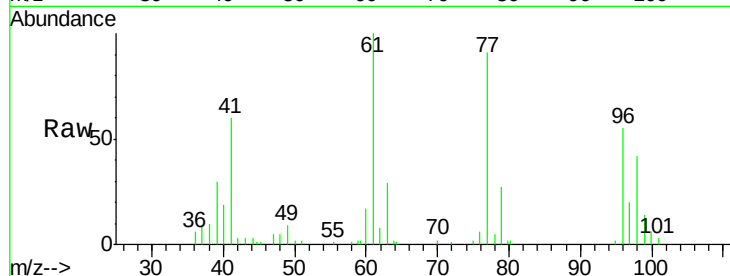
97 22.8 18.3 27.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 3.815 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

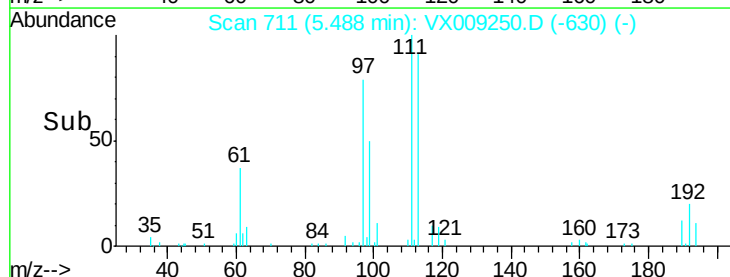
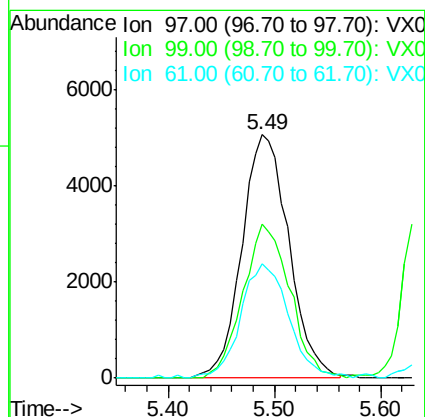
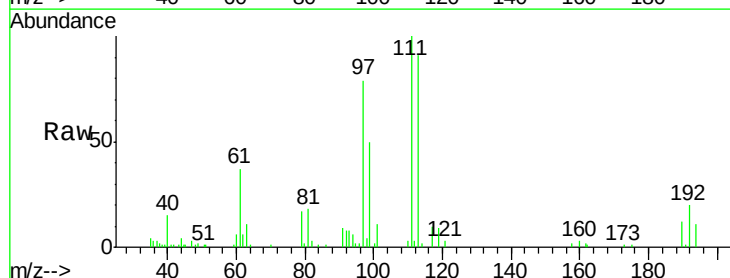
Tgt Ion: 97 Resp: 15626

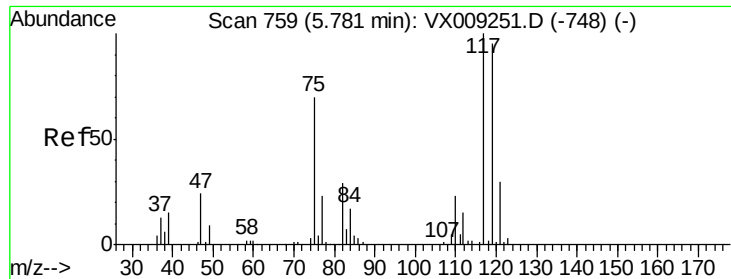
Ion Ratio Lower Upper

97 100

99 63.3 53.9 80.9

61 45.4 38.6 58.0





#33

Carbon Tetrachloride

Concen: 3.735 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

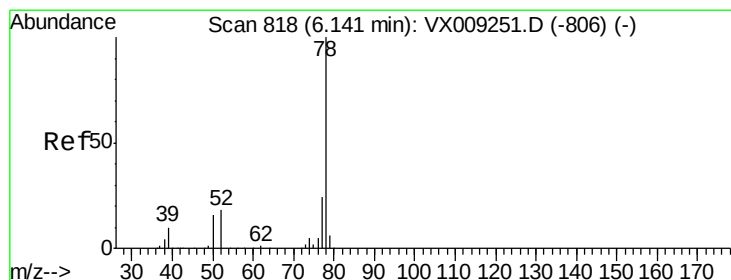
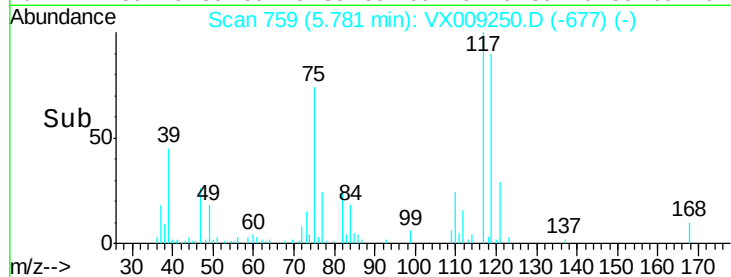
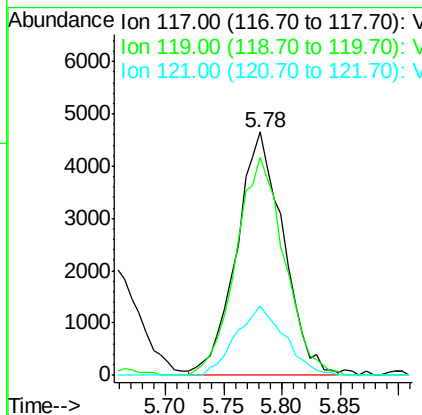
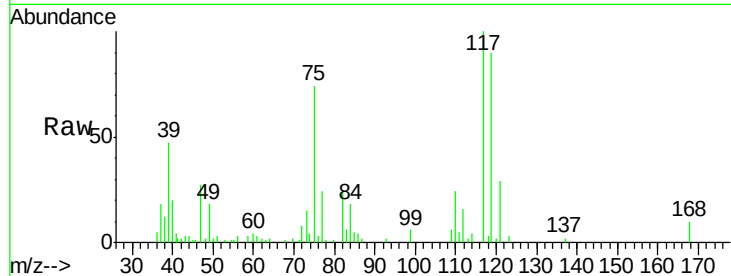
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	13007
Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.1	114.1
121	29.0	24.4	36.6

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#34

Benzene

Concen: 3.660 ug/l

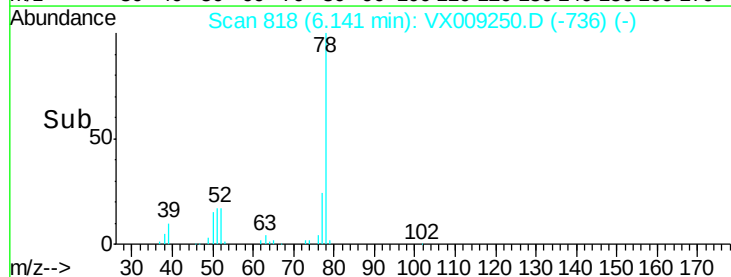
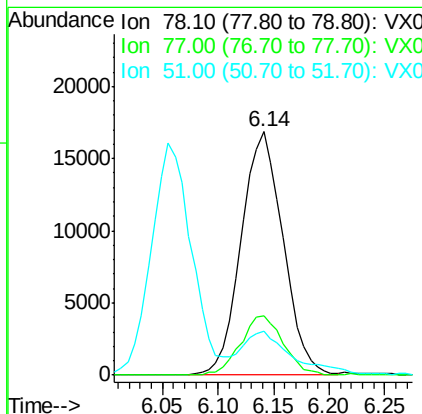
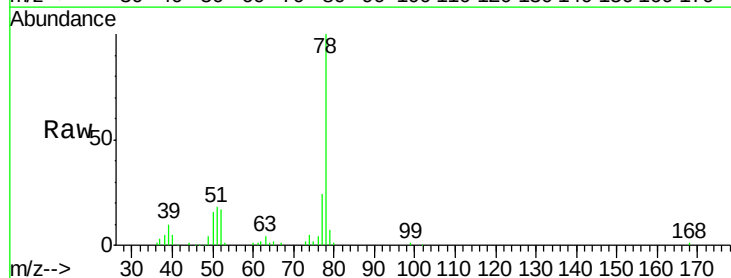
RT: 6.14 min Scan# 818

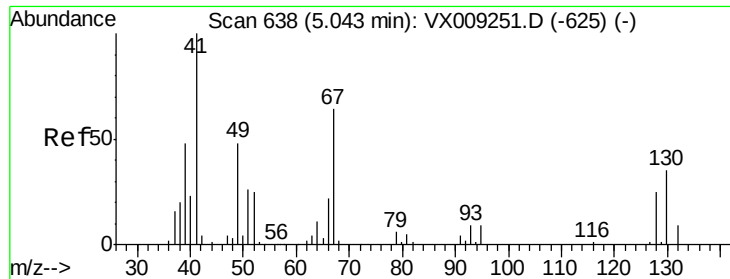
Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	78	Resp:	44256
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2
51	15.2	13.5	20.3





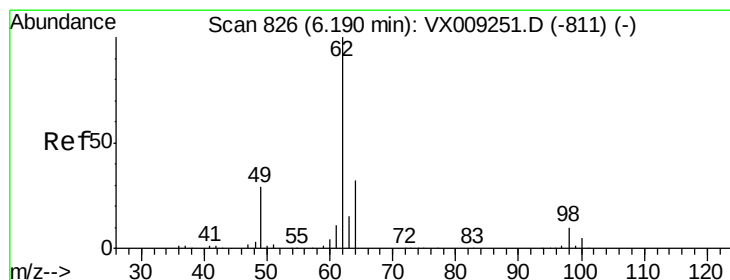
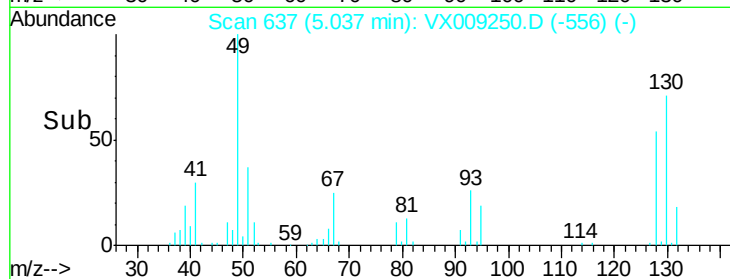
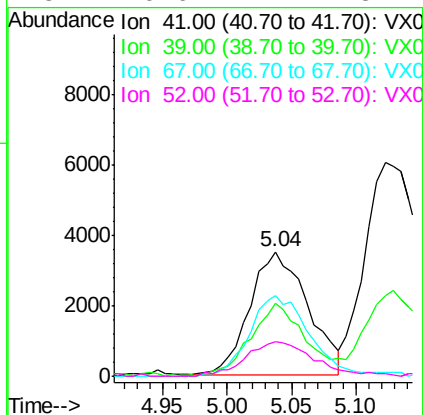
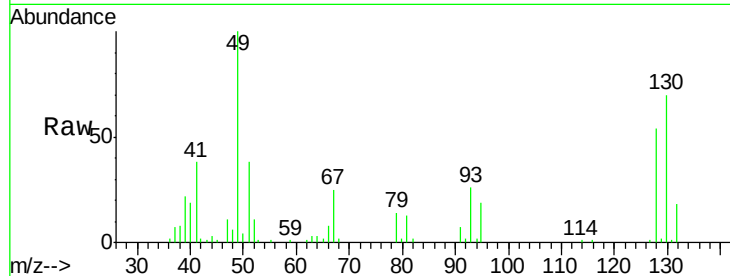
#35
Methacrylonitrile
Concen: 3.394 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	24.1	72.3
67	65.4	32.2	96.6
52	26.6	12.4	37.4

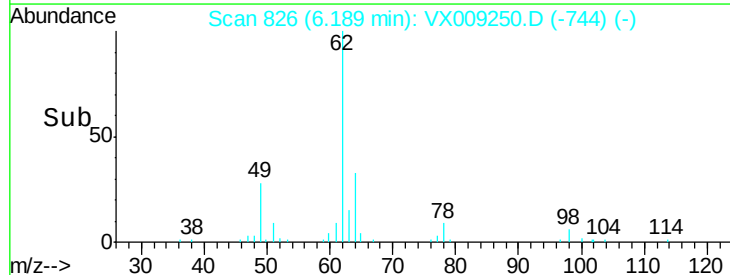
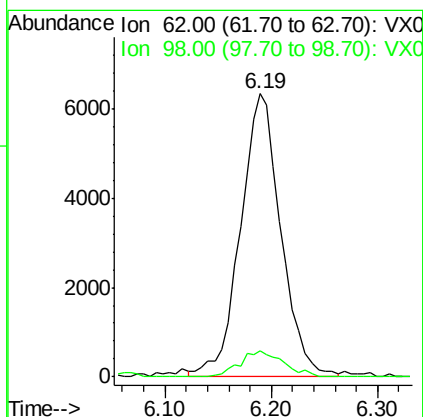
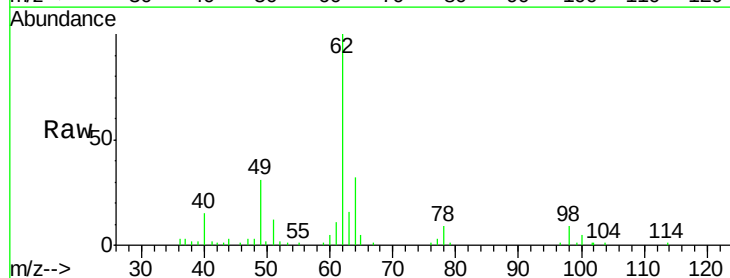
Manual Integrations
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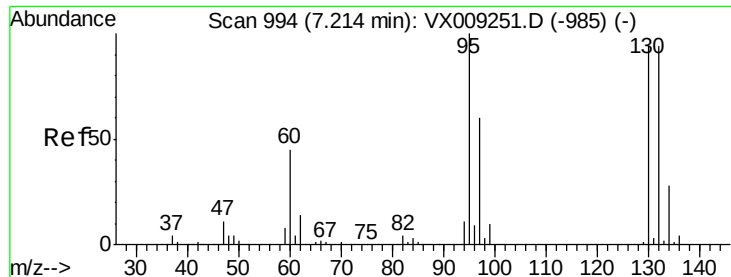
MMDadoda
5/2/2019 10:53:03 AM



#36
1,2-Dichloroethane
Concen: 3.865 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.4	11.2





#37

Trichloroethene

Concen: 3.828 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 10842

Ion Ratio Lower Upper

130 100

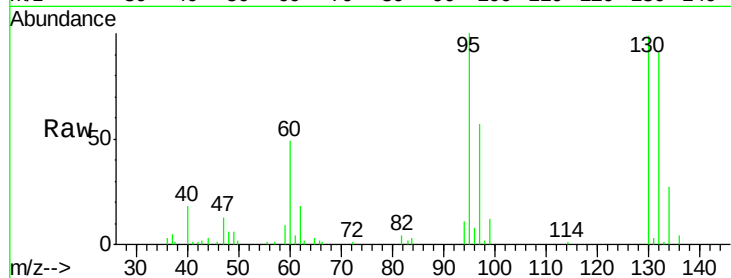
95 99.4 85.0 127.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

6000

5000

4000

3000

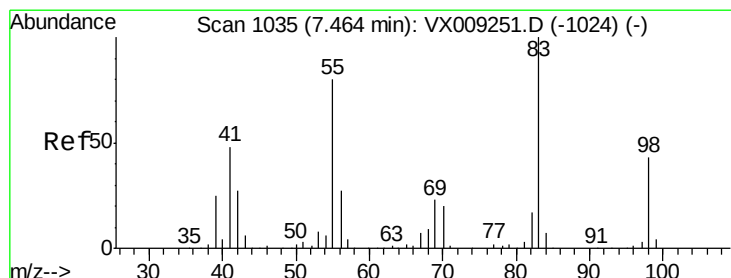
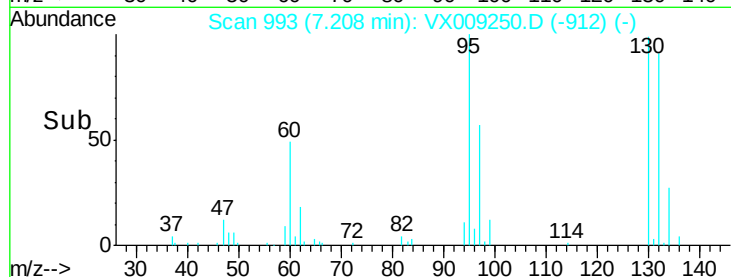
2000

1000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 3.675 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

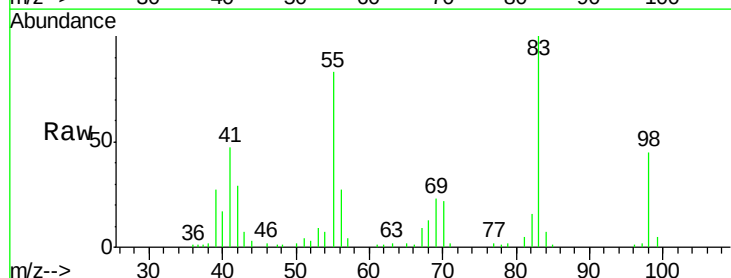
Tgt Ion: 83 Resp: 17517

Ion Ratio Lower Upper

83 100

55 88.2 43.0 129.2

98 43.5 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

10000

8000

6000

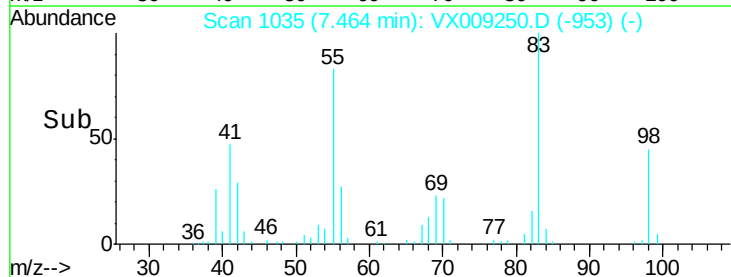
4000

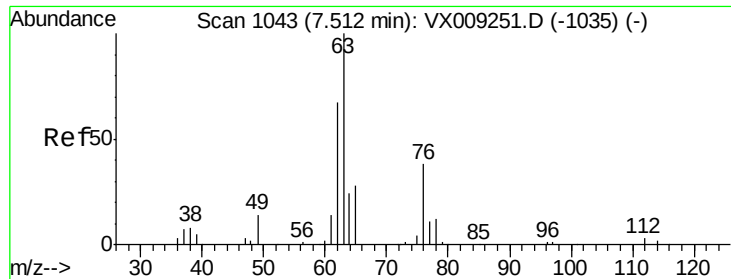
2000

0

7.35 7.40 7.45 7.50 7.55

Time-->





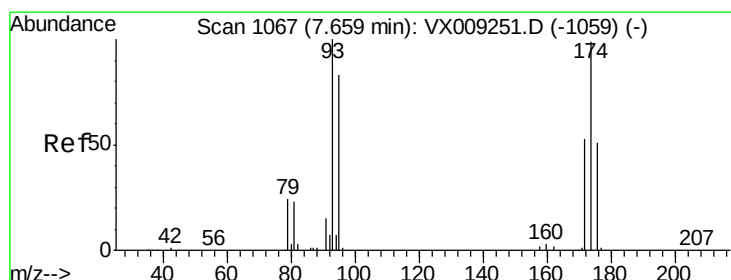
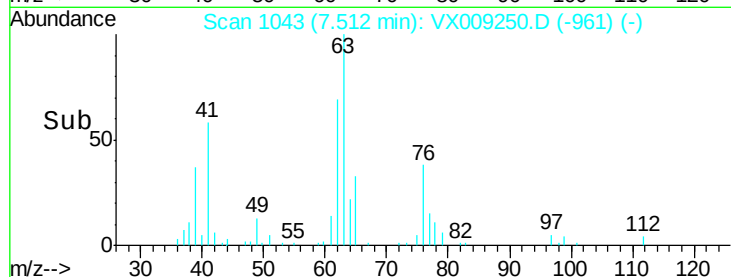
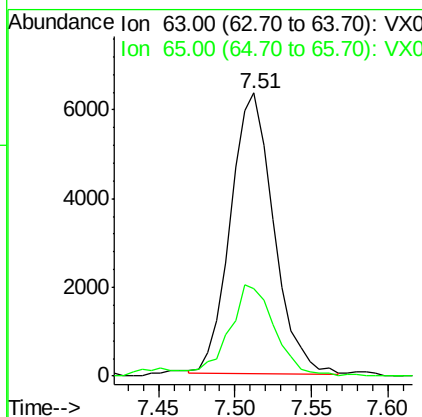
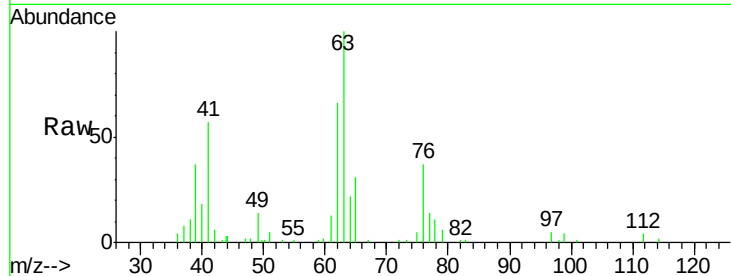
#39
 1,2-Dichloropropane
 Concen: 3.651 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.0	36.0

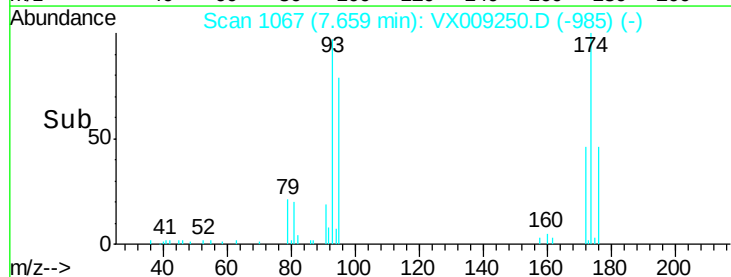
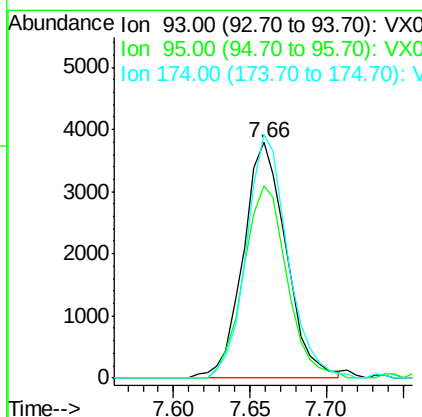
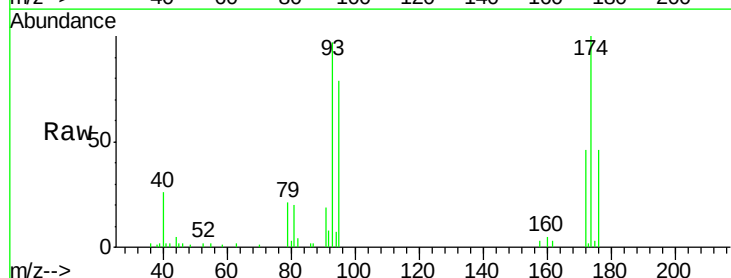
Manual Integrations
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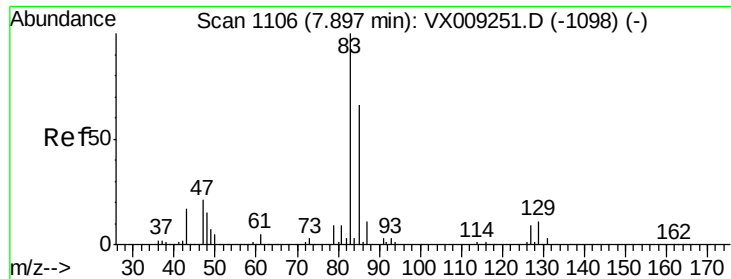
MMDadoda
 5/2/2019 10:53:03 AM



#40
 Dibromomethane
 Concen: 3.826 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	0.0	167.2
174	99.1	0.0	203.4





#41

Bromodichloromethane

Concen: 3.674 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

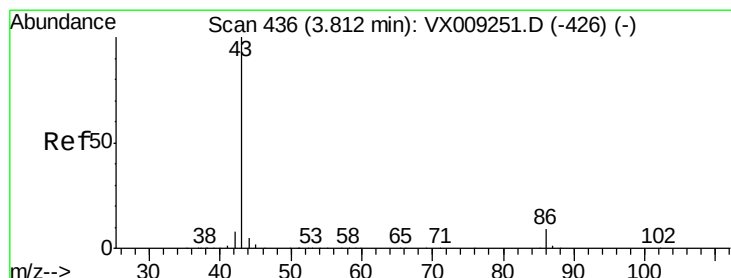
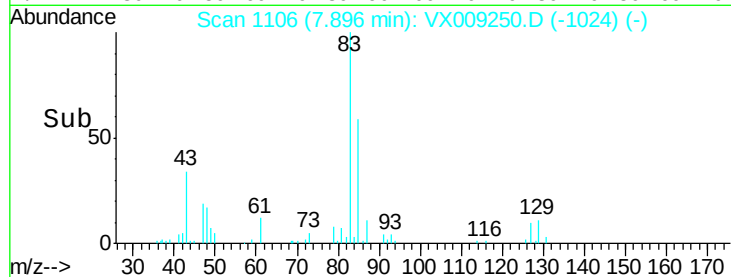
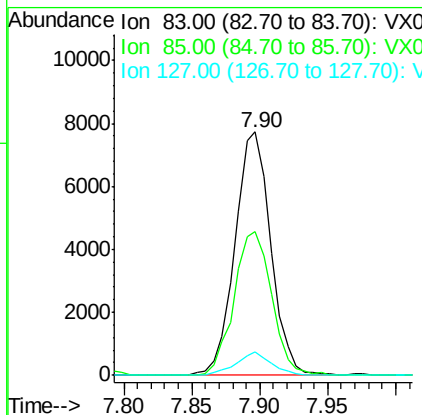
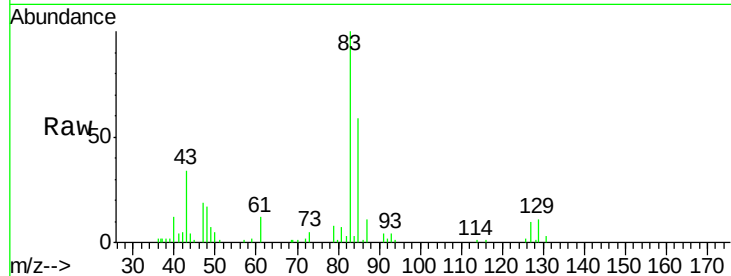
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	14227
Ion Ratio	Lower	Upper	
83	100		
85	59.2	52.6	79.0
127	9.8	6.9	10.3

Manual Integrations
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MMDadoda
5/2/2019 10:53:03 AM



#42

Vinyl Acetate

Concen: 17.171 ug/l

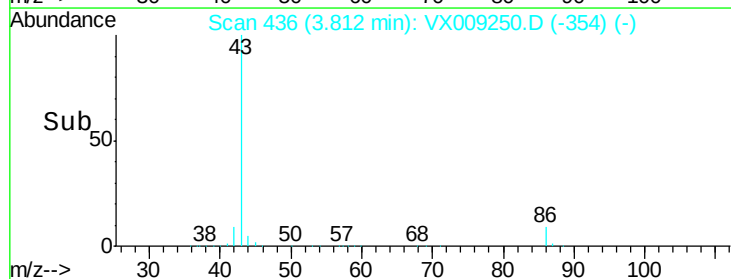
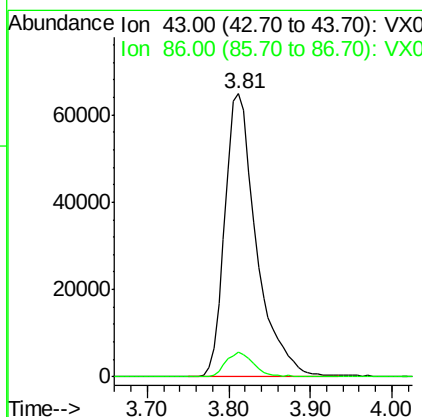
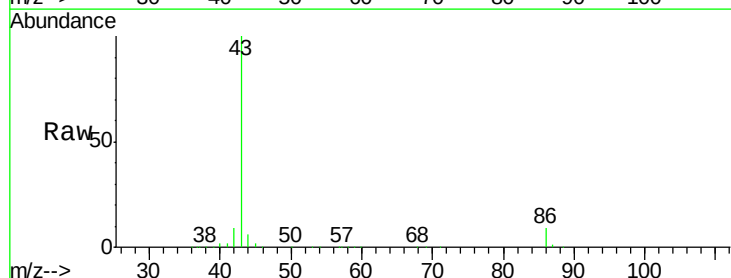
RT: 3.81 min Scan# 436

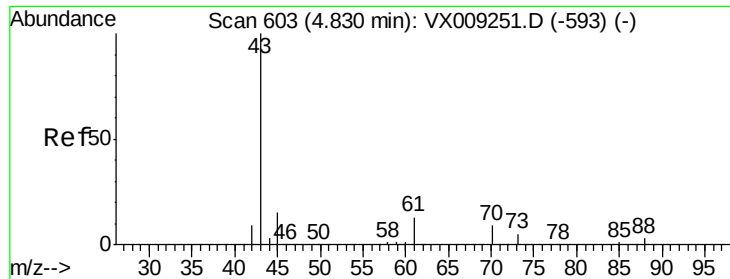
Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	43	Resp:	173719
Ion Ratio	Lower	Upper	
43	100		
86	7.6	6.0	9.0





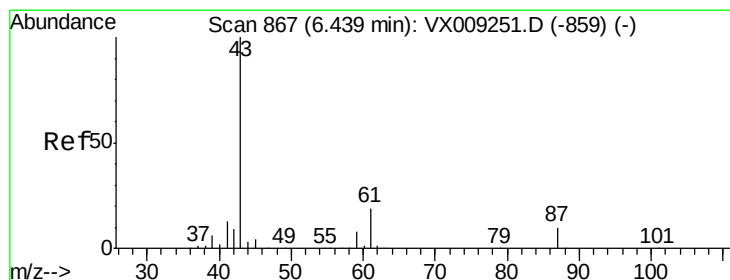
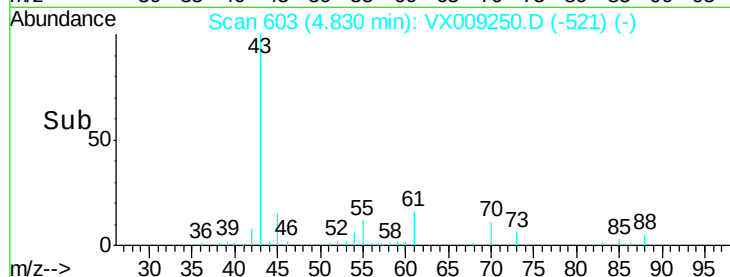
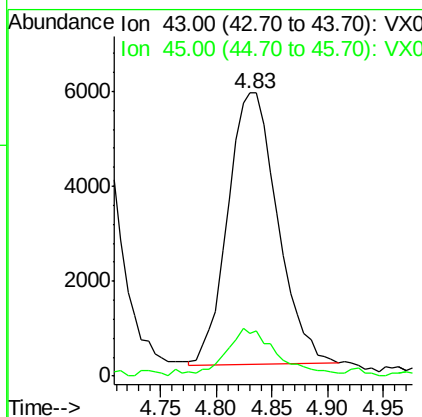
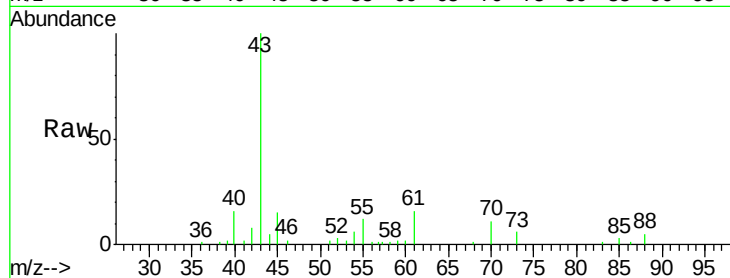
#43
Ethyl Acetate
Concen: 3.154 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 17811
Ion Ratio Lower Upper
43 100
45 17.7 11.8 17.8

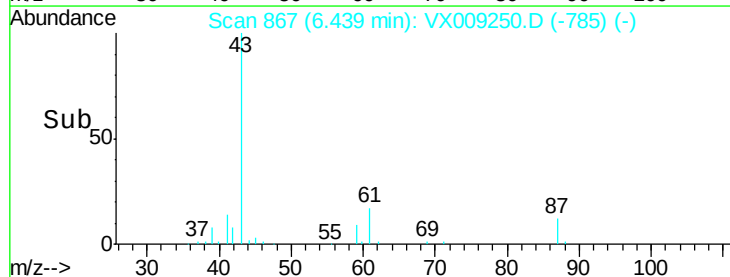
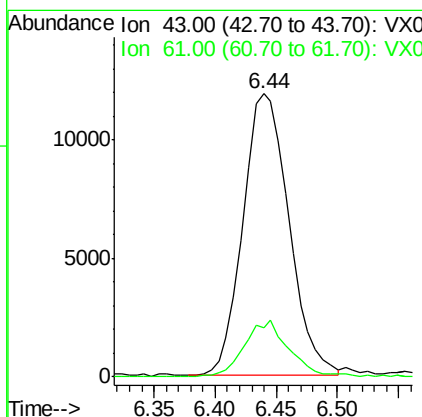
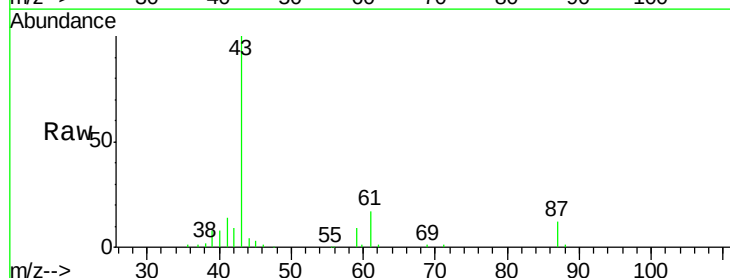
Manual Integrations
APPROVED

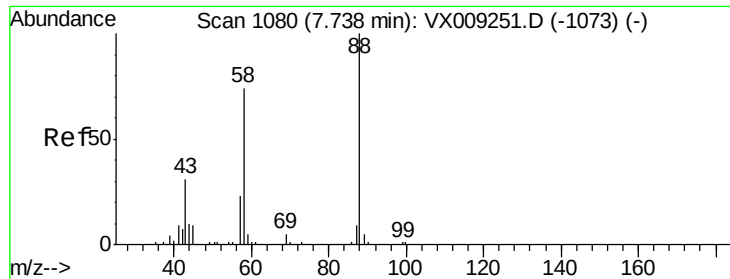
MMDadoda
5/2/2019 10:53:03 AM



#44
Isopropyl Acetate
Concen: 3.596 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion: 43 Resp: 31245
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.2





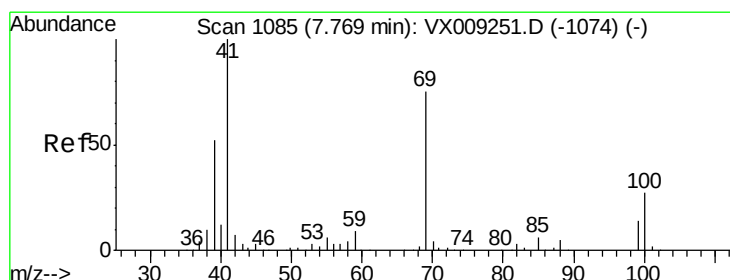
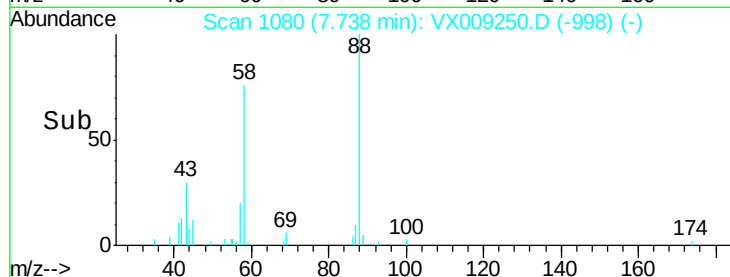
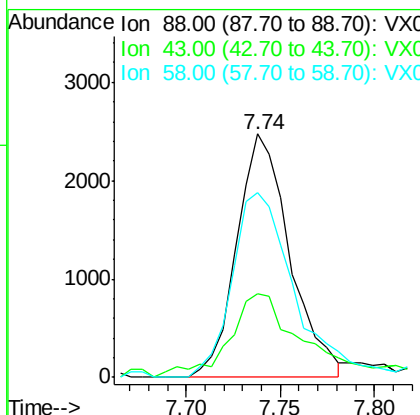
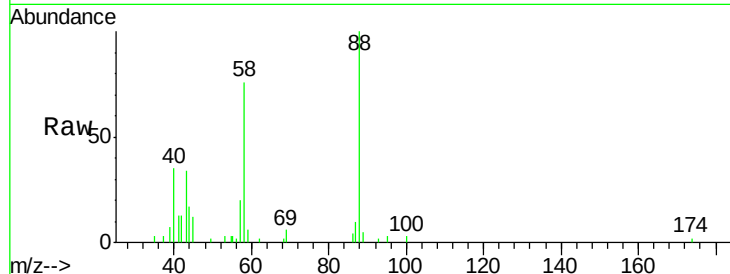
#45
1,4-Dioxane
Concen: 55.928 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
88	100	4831		
43	46.7		28.5	42.7#
58	89.5		62.5	93.7

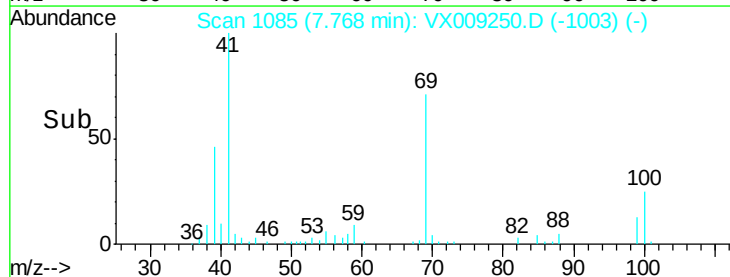
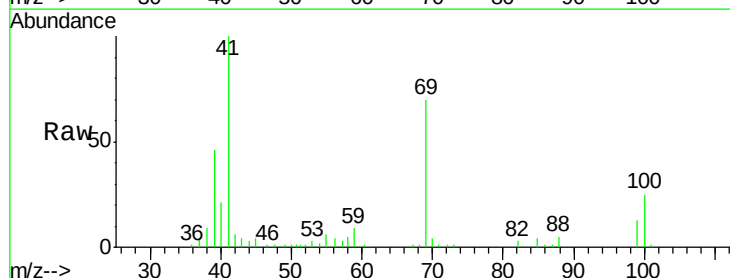
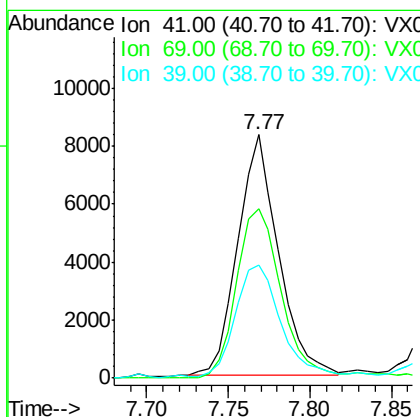
Manual Integrations
APPROVED

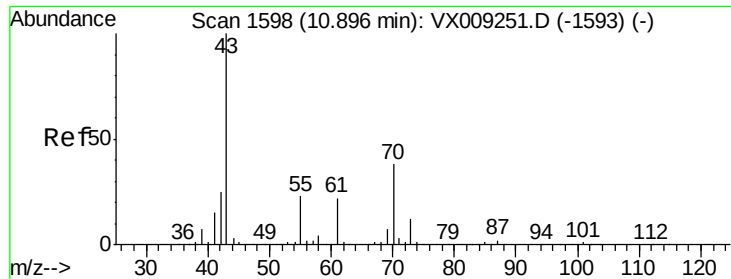
MMDadoda
5/2/2019 10:53:03 AM



#46
Methyl methacrylate
Concen: 3.292 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	14460		
69	70.4		37.6	112.8
39	46.2		25.8	77.3





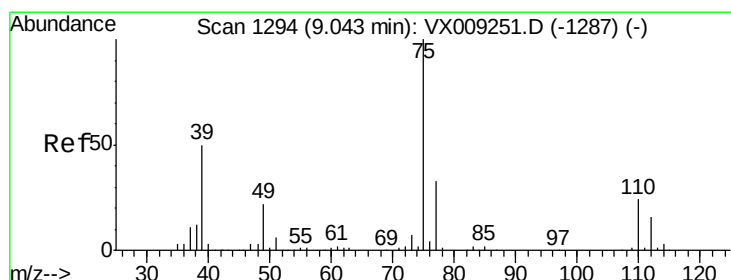
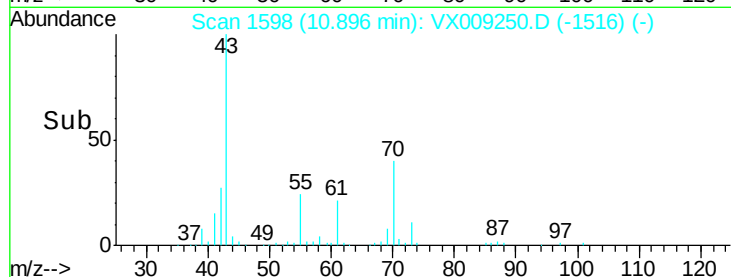
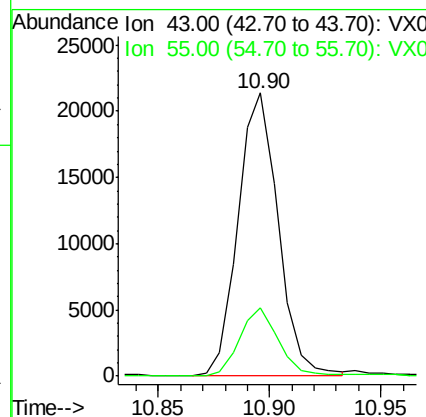
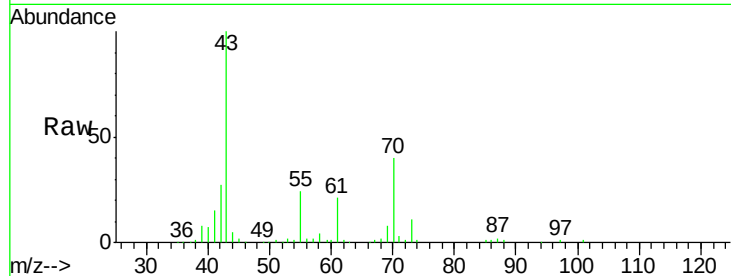
#47
n-amyl Acetate
Concen: 3.469 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
55	23.8	18.2	27.4

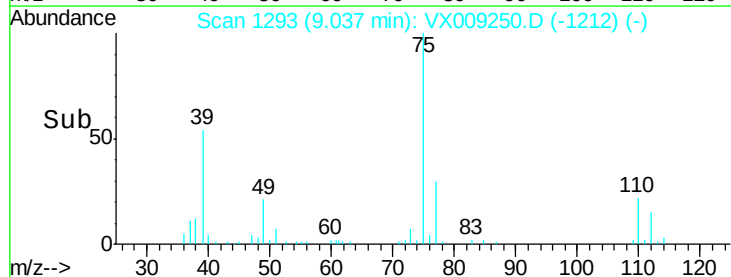
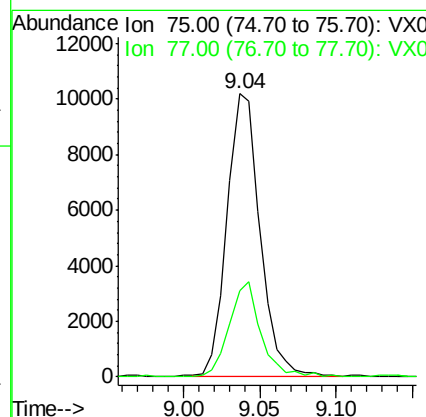
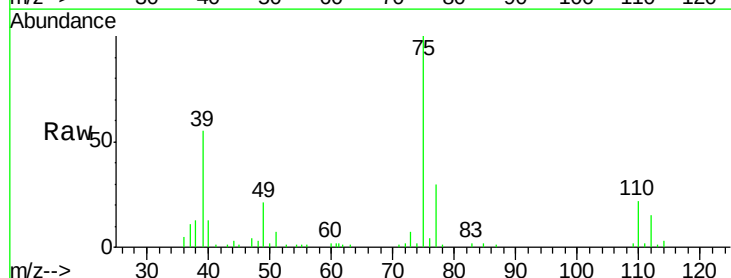
Manual Integrations
APPROVED

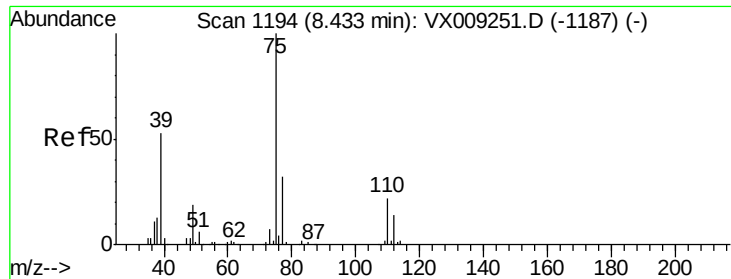
MMDadoda
5/2/2019 10:53:03 AM



#48
t-1,3-Dichloropropene
Concen: 3.462 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.5	39.7





#49

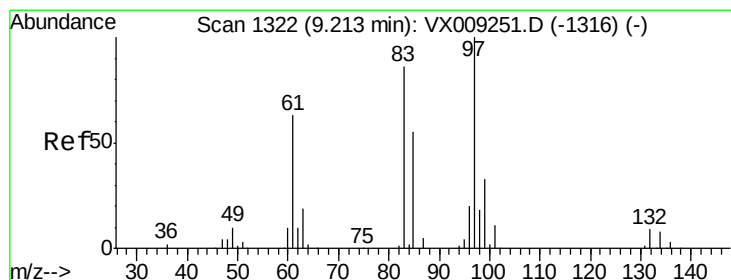
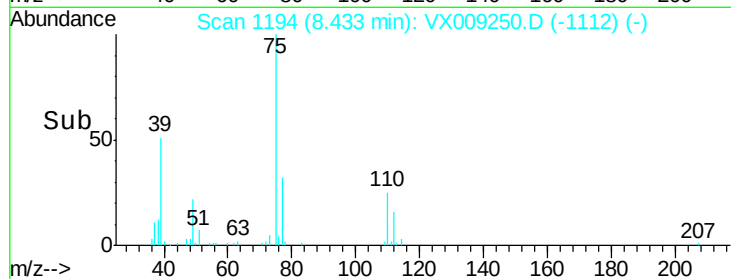
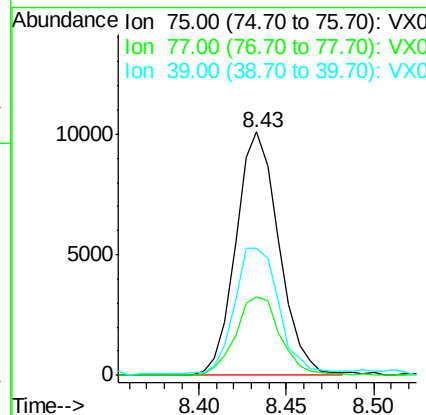
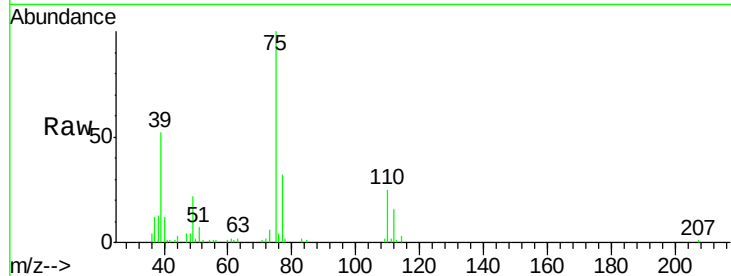
cis-1,3-Dichloropropene
 Concen: 3.508 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion:	75	Resp:	17293
Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.0	39.0
39	51.3	42.6	63.8

Manual Integrations
 APPROVED

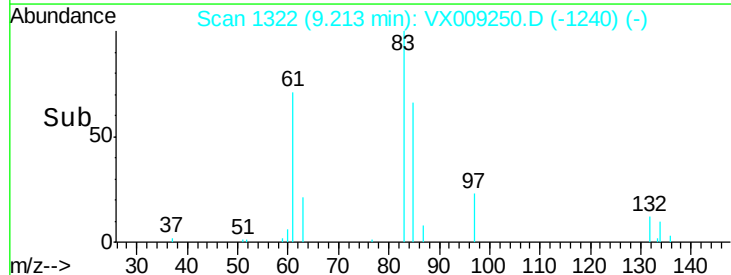
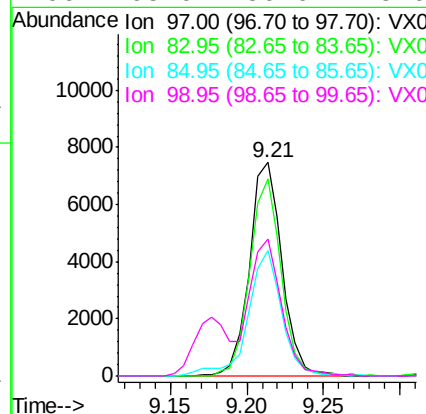
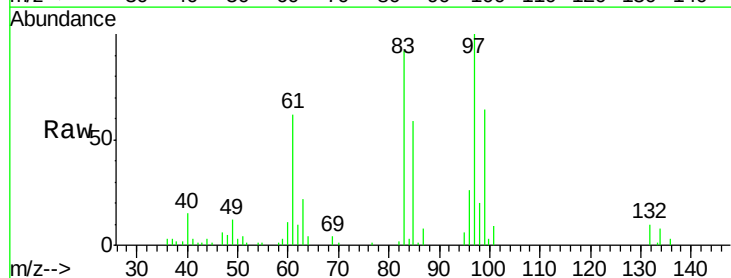
MMDadoda
 5/2/2019 10:53:03 AM

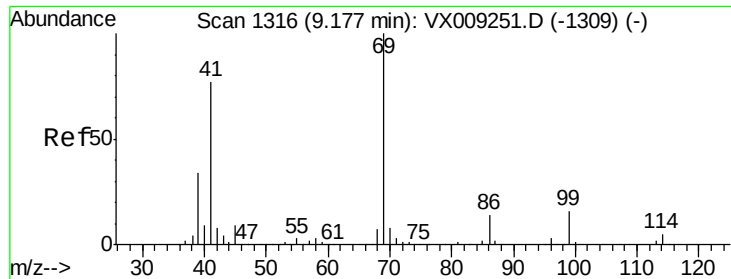


#50

1,1,2-Trichloroethane
 Concen: 3.726 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion:	97	Resp:	11061
Ion	Ratio	Lower	Upper
97	100		
83	92.1	68.8	103.2
85	58.2	45.8	68.6
99	63.0	50.0	75.0





#51

Ethyl methacrylate

Concen: 3.371 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

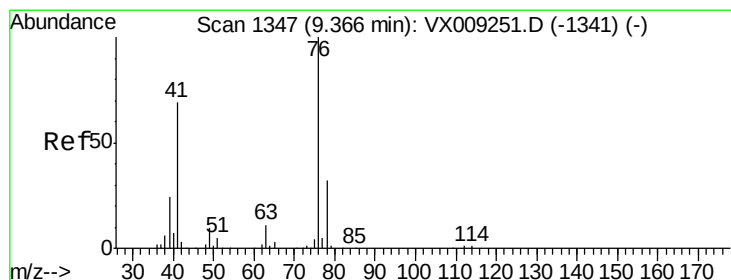
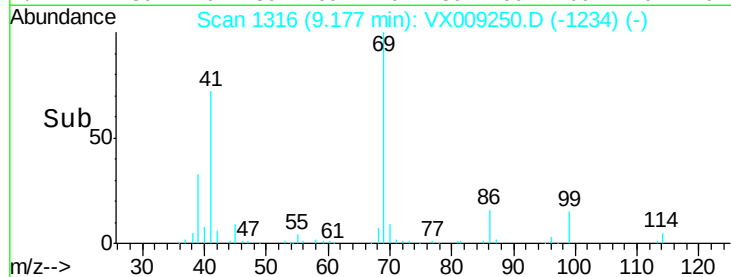
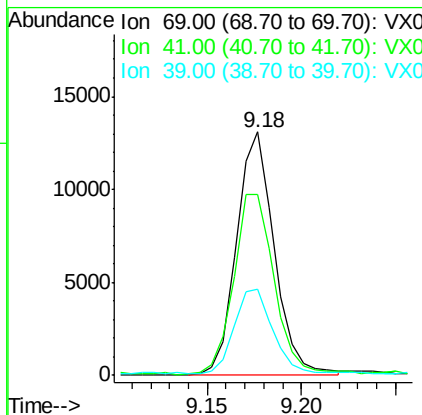
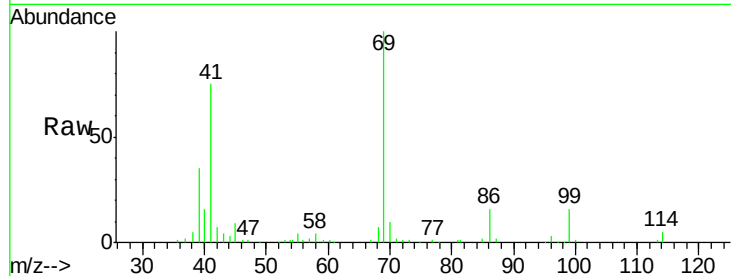
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	18170
Ion	Ratio	Lower	Upper
69	100		
41	74.0	38.4	115.2
39	34.4	17.2	51.5

Manual Integrations
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5/2/2019 10:53:03 AM



#52

1,3-Dichloropropane

Concen: 3.630 ug/l

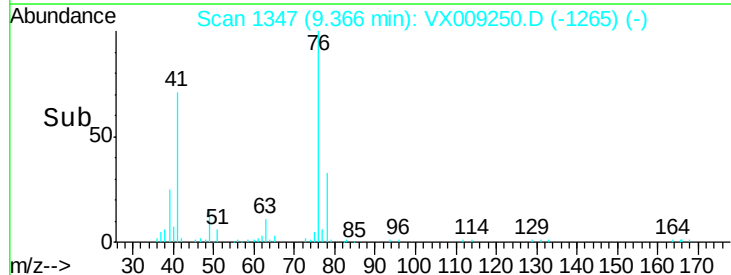
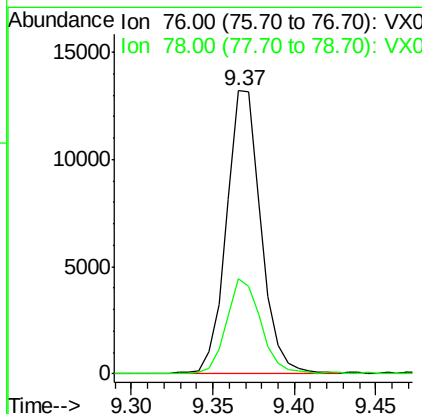
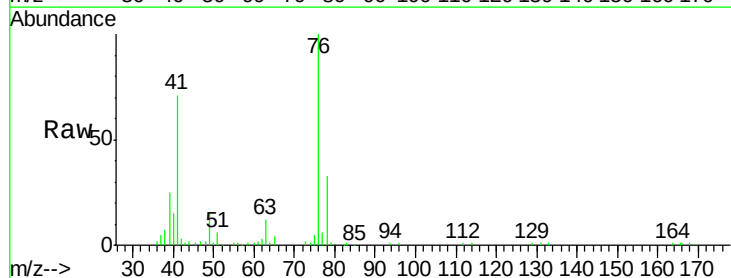
RT: 9.37 min Scan# 1347

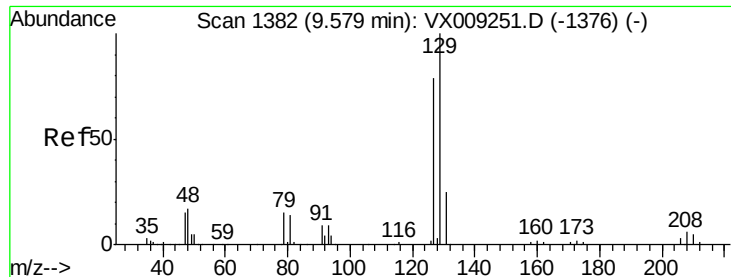
Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	76	Resp:	19142
Ion	Ratio	Lower	Upper
76	100		
78	33.9	0.0	64.2





#53

Dibromochloromethane

Concen: 3.538 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 10097

Ion Ratio Lower Upper

129 100

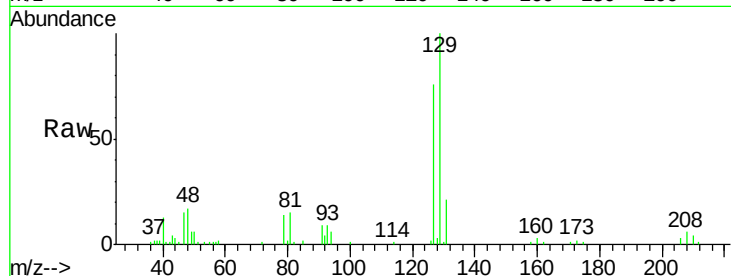
127 78.6 39.1 117.5

Manual Integrations

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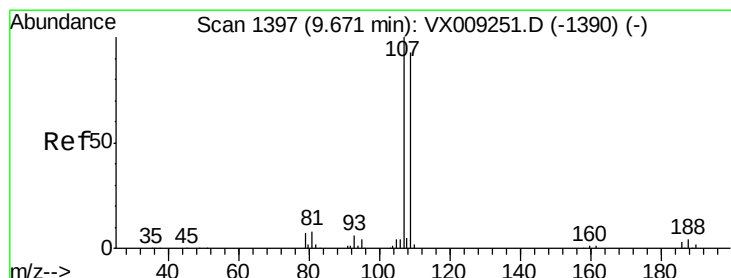
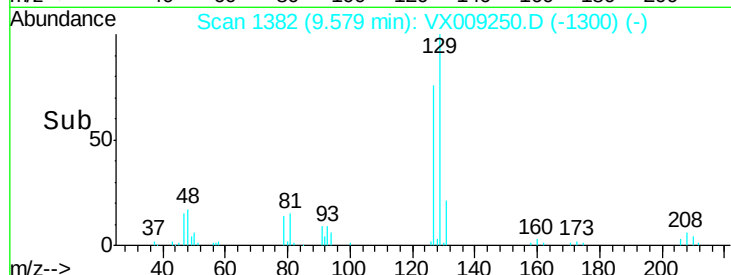
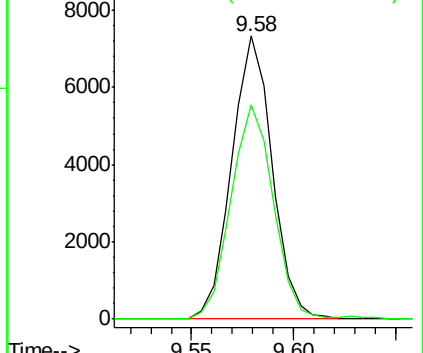
MMDadoda

5/2/2019 10:53:03 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 3.682 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009250.D

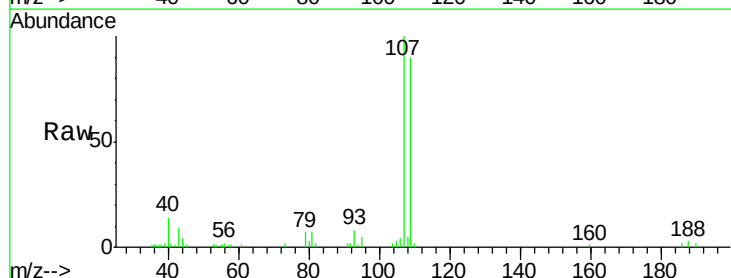
Acq: 01 May 2019 11:07

Tgt Ion:107 Resp: 11103

Ion Ratio Lower Upper

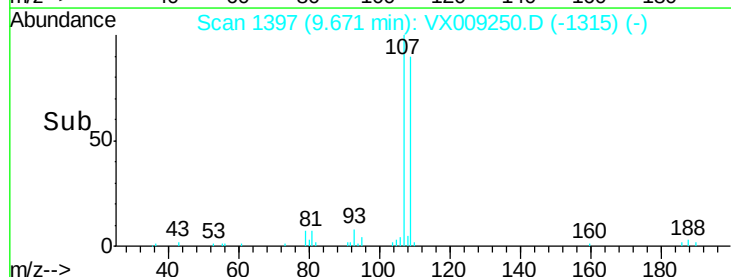
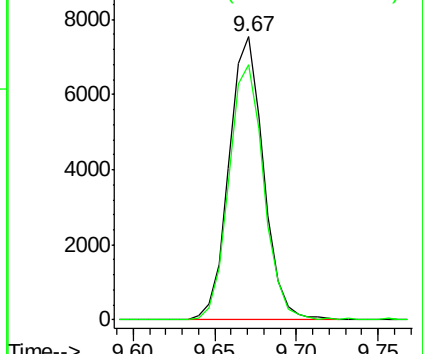
107 100

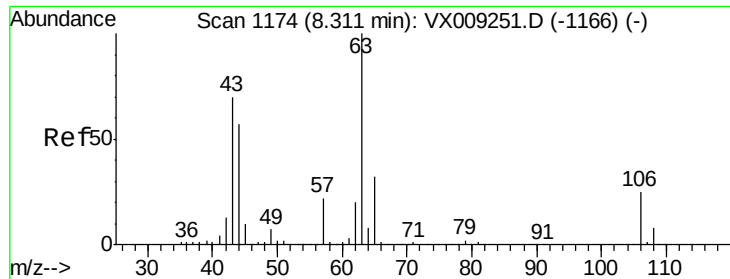
109 90.8 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





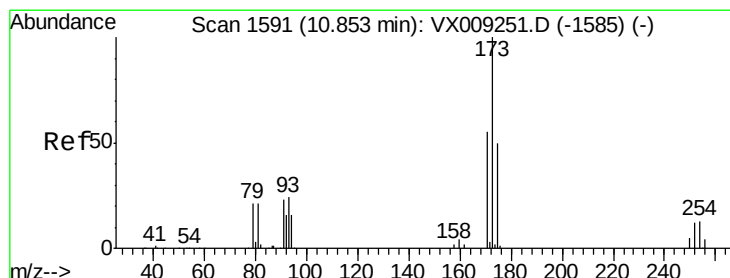
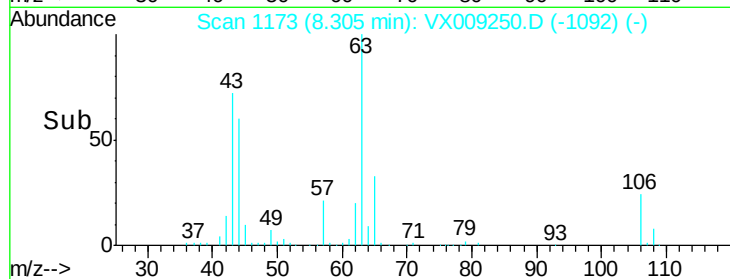
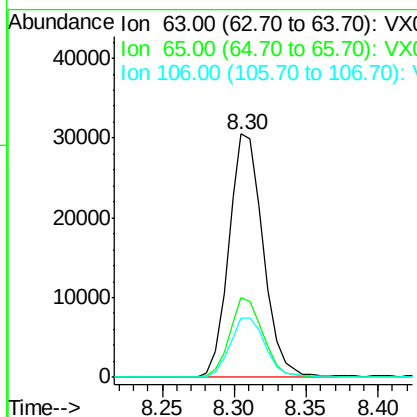
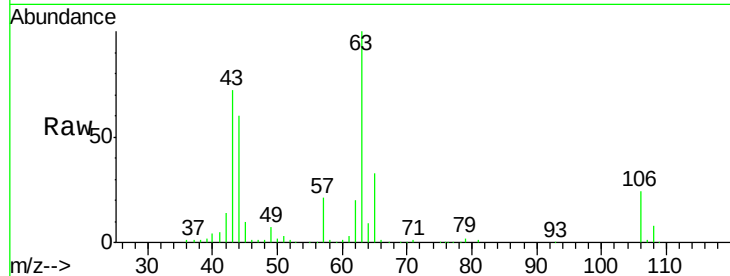
#55
2-Chloroethyl vinyl ether
Concen: 16.749 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.8	38.6
106	25.1	19.8	29.6

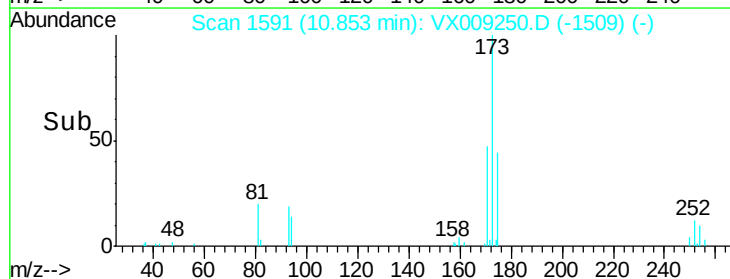
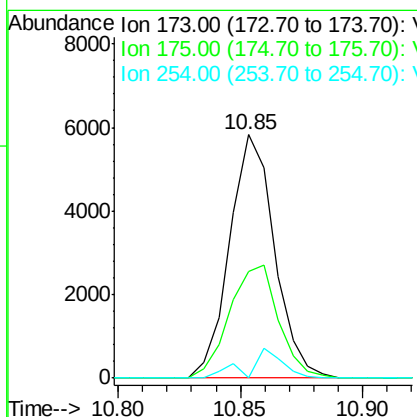
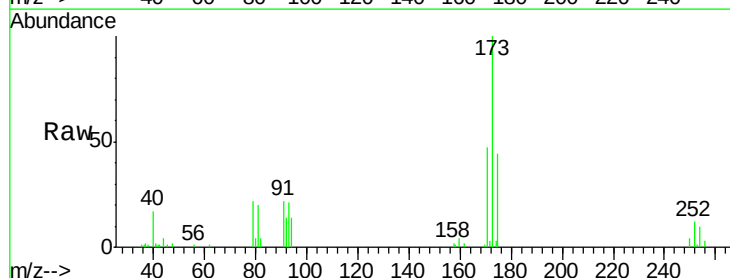
Manual Integrations
APPROVED

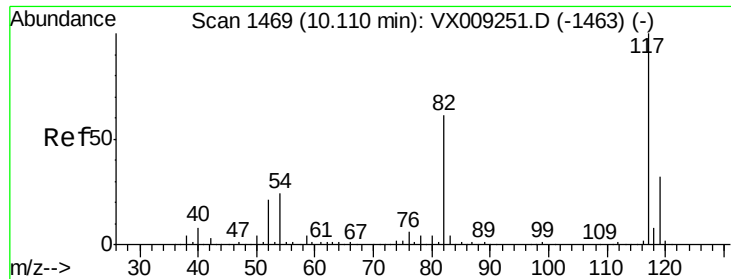
MMDadoda
5/2/2019 10:53:03 AM



#56
Bromoform
Concen: 3.517 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.6	39.4	59.2
254	6.8	9.9	14.9





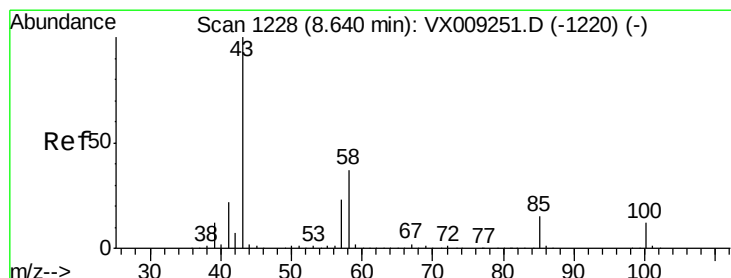
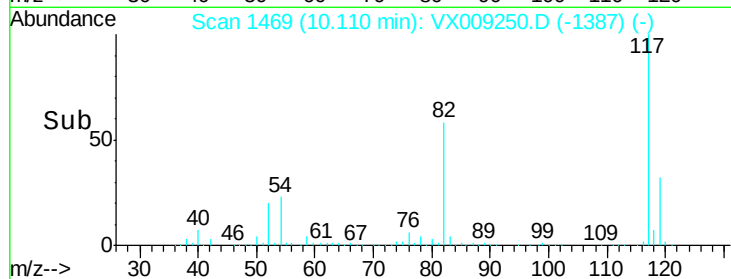
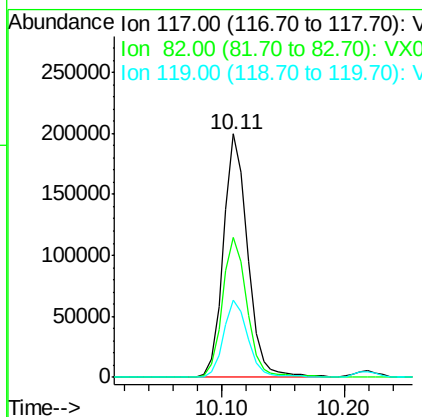
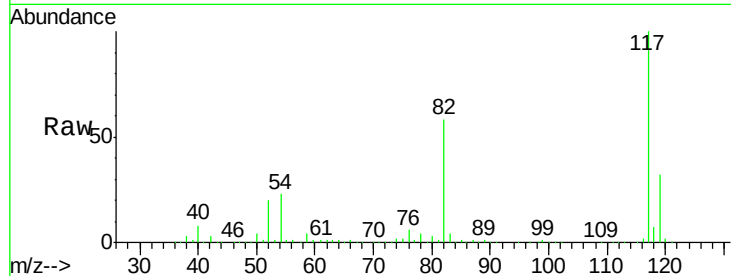
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.8
119	31.7	25.6	38.4

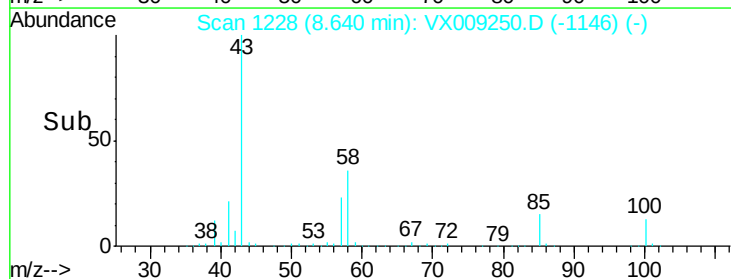
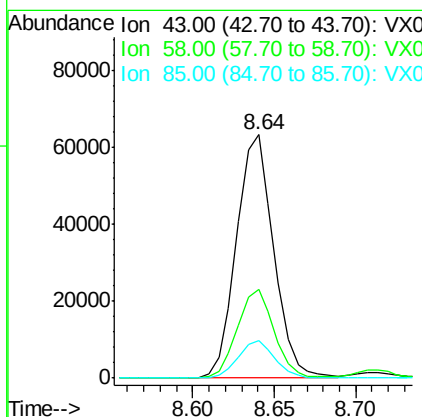
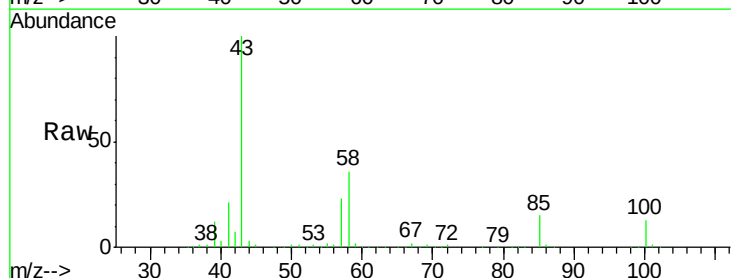
Manual Integrations
APPROVED

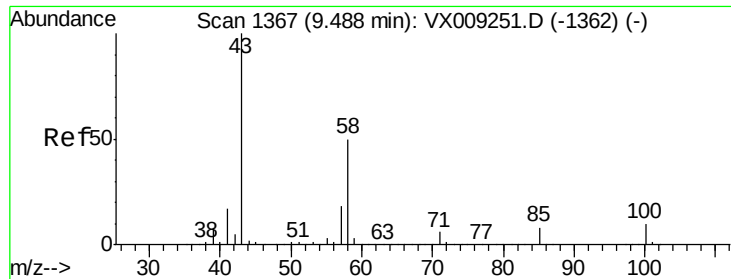
MMDadoda
5/2/2019 10:53:03 AM



#58
4-Methyl-2-Pentanone
Concen: 14.988 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.4	44.0
85	15.2	11.8	17.8





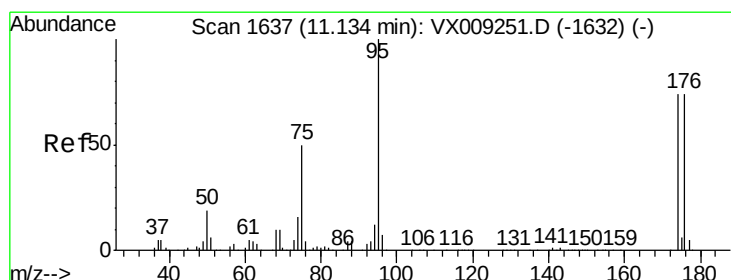
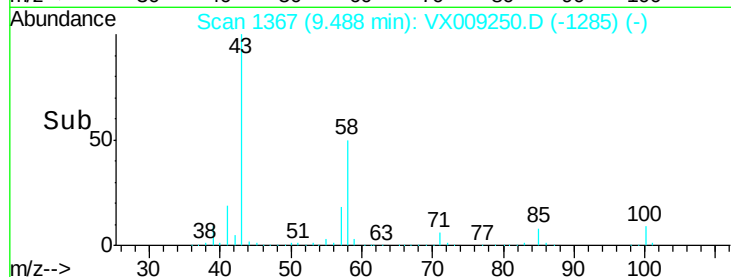
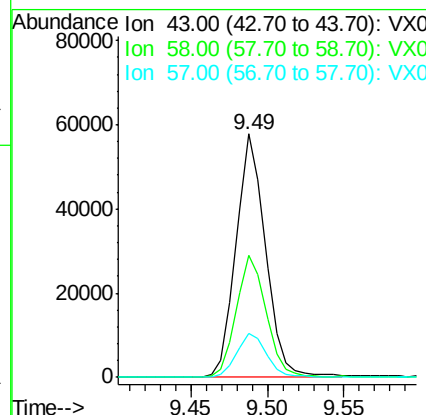
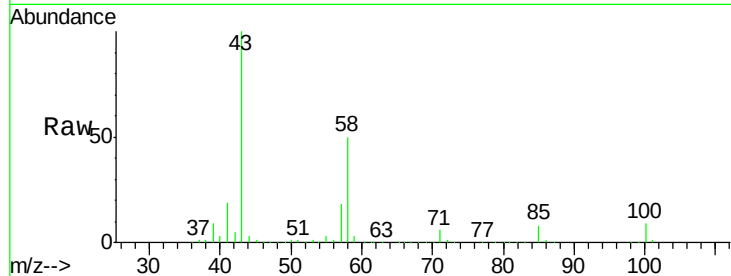
#59
2-Hexanone
Concen: 14.602 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:	43	Resp:	77379
Ion	Ratio	Lower	Upper
43	100		
58	50.9	40.8	61.2
57	18.4	14.1	21.1

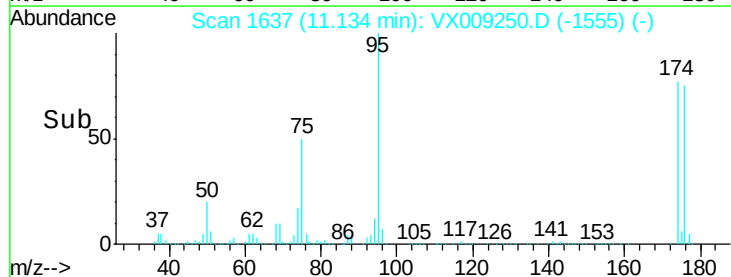
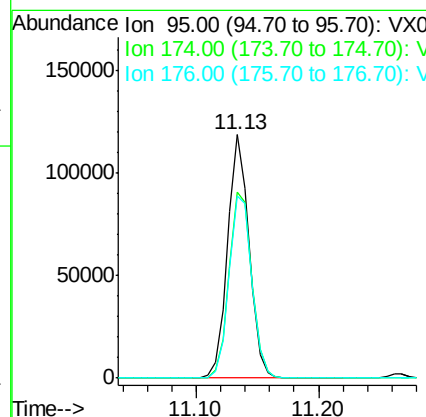
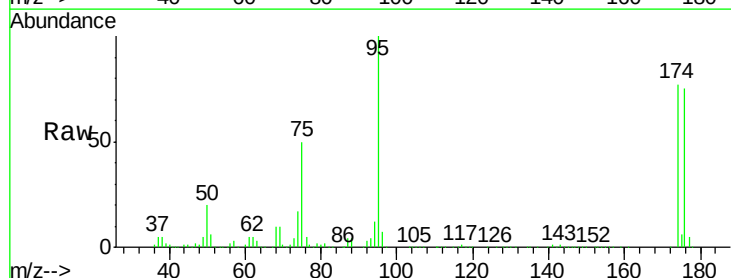
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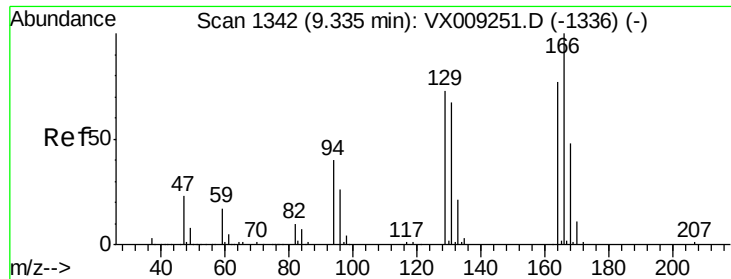
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.588 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion:	95	Resp:	144242
Ion	Ratio	Lower	Upper
95	100		
174	80.7	63.6	95.4
176	79.1	62.4	93.6





#61

Tetrachloroethene

Concen: 3.255 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 9850

Ion Ratio Lower Upper

164 100

166 125.3 104.1 156.1

129 83.4 76.0 114.0

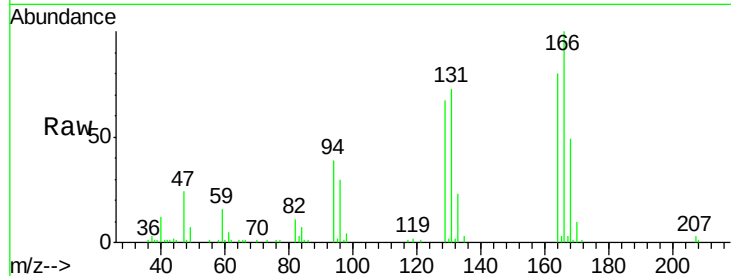
131 91.0 70.1 105.1

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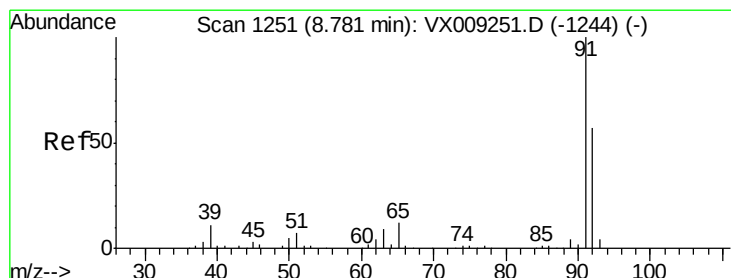
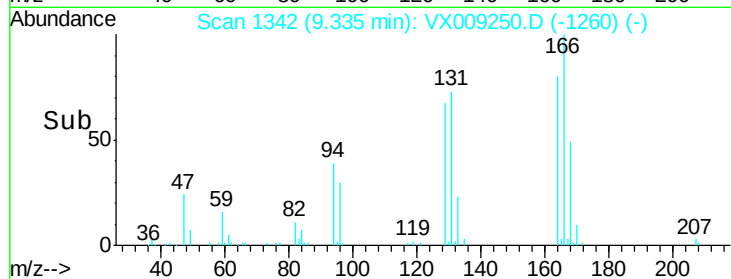
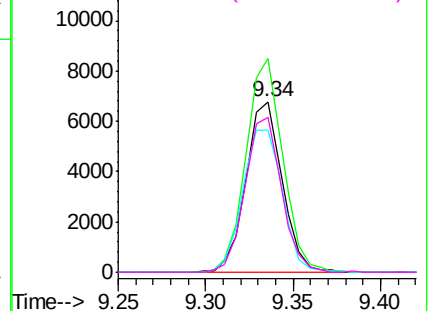


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 3.155 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009250.D

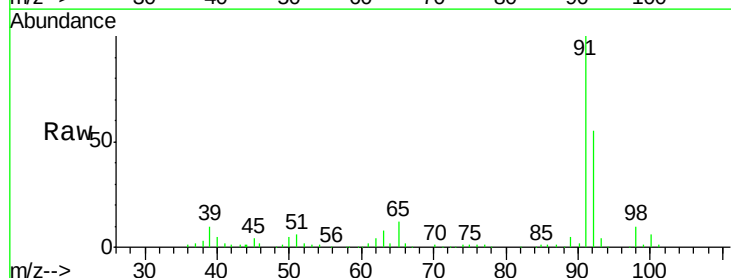
Acq: 01 May 2019 11:07

Tgt Ion: 91 Resp: 46565

Ion Ratio Lower Upper

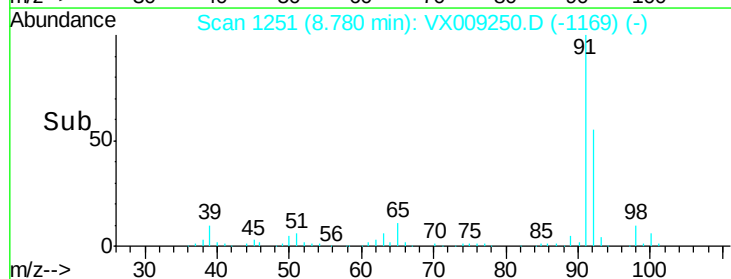
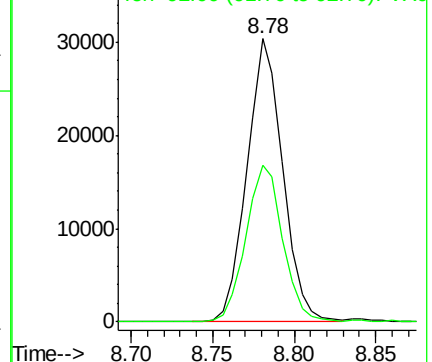
91 100

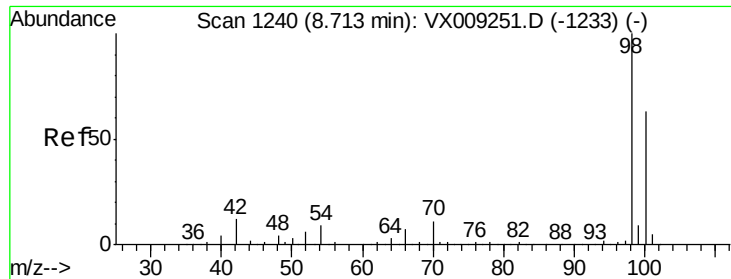
92 56.8 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 27.921 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 98 Resp: 370819

Ion Ratio Lower Upper

98 100

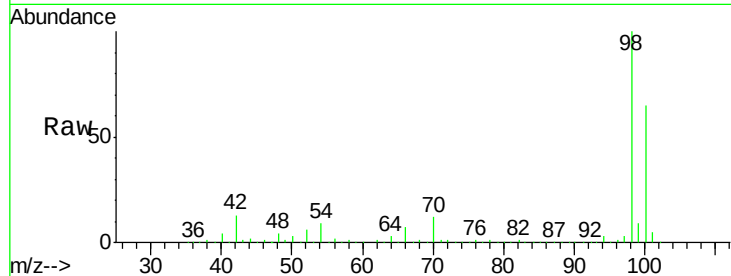
100 64.8 52.3 78.5

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Abundance Ion 98.00 (97.70 to 98.70): VX009251.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX009250.D (-1158) (-)

8.71

250000

200000

150000

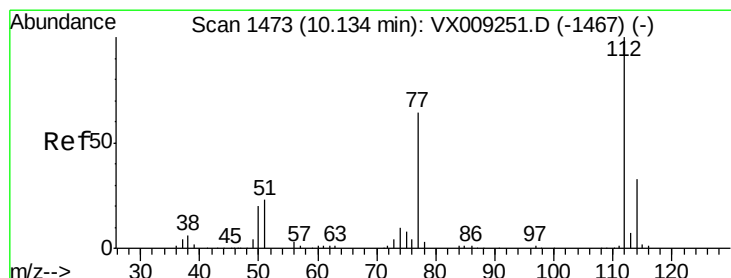
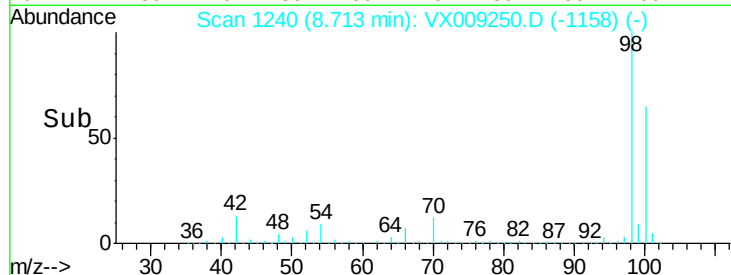
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 3.218 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009250.D

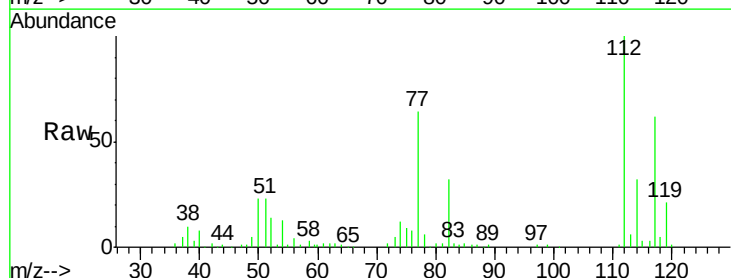
Acq: 01 May 2019 11:07

Tgt Ion: 112 Resp: 28019

Ion Ratio Lower Upper

112 100

114 32.3 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VX009251.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX009250.D (-1391) (-)

10.13

20000

15000

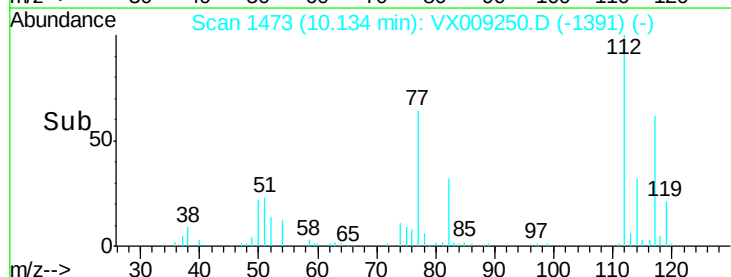
10000

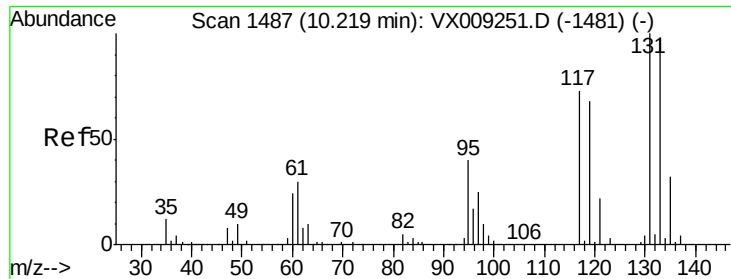
5000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 3.140 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

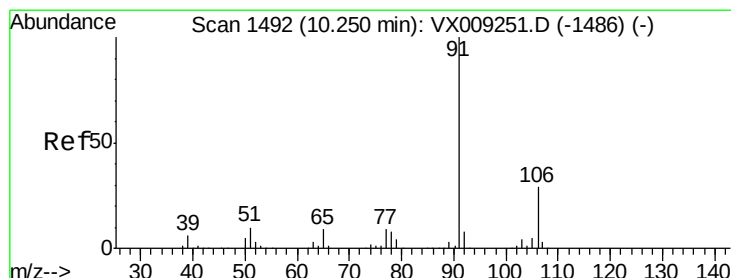
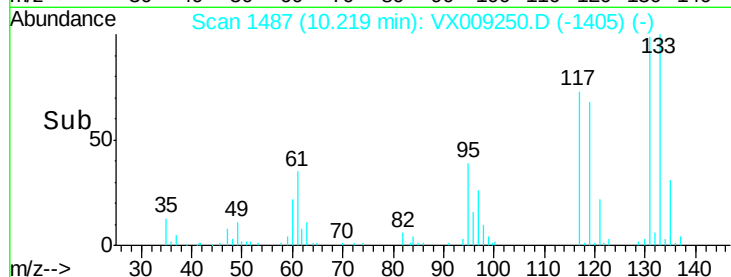
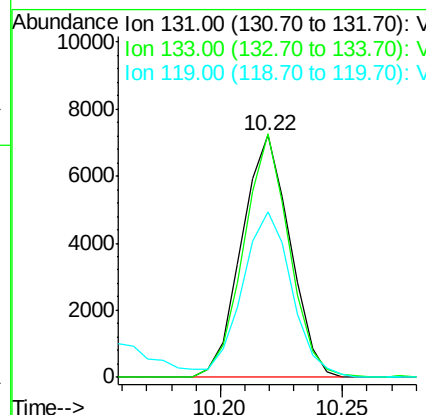
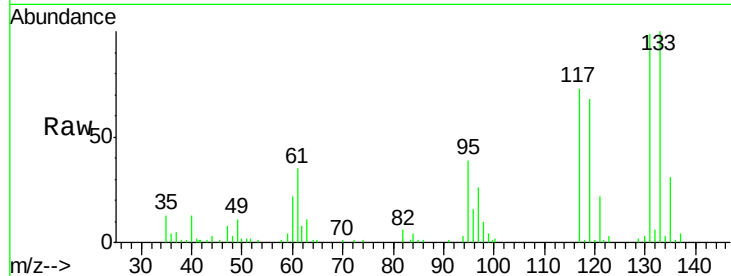
ClientSampled :

VSTDIC005

Tot Ion:	131	Resp:	9896
Ion	Ratio	Lower	Upper
131	100		
133	94.9	0.0	191.2
119	70.5	0.0	135.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 3.153 ug/l

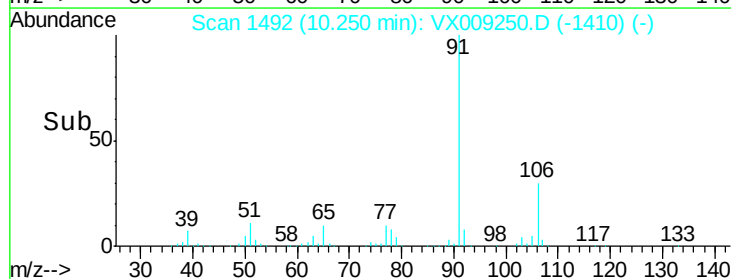
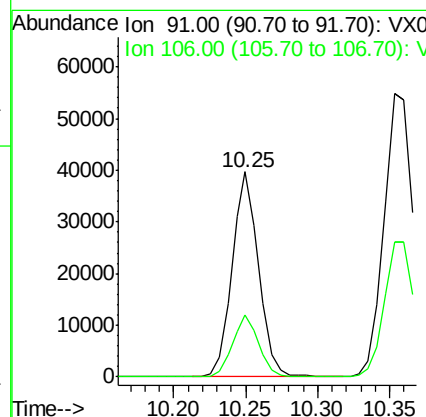
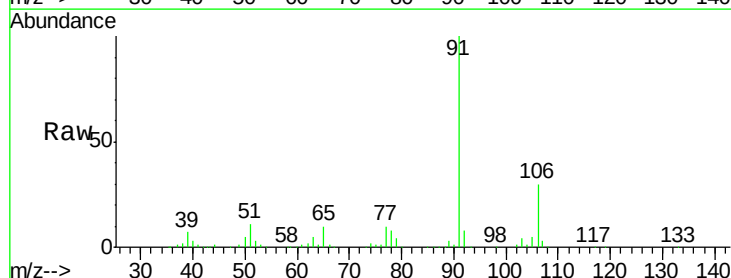
RT: 10.25 min Scan# 1492

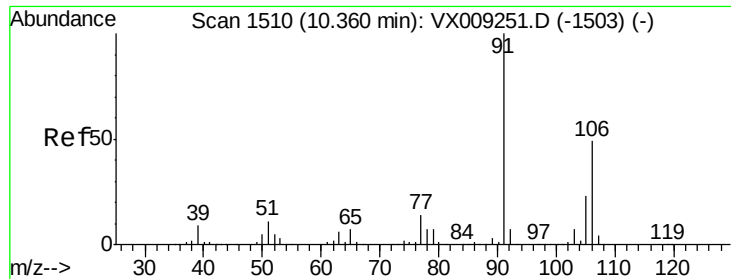
Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	91	Resp:	51349
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.5	35.3





#67

m/p-Xylenes

Concen: 6.280 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 37237

Ion Ratio Lower Upper

106 100

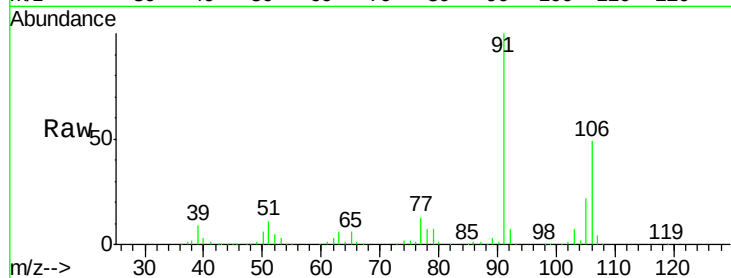
91 206.4 166.8 250.2

Manual Integrations

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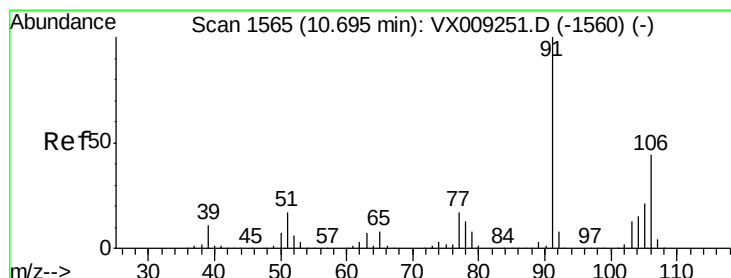
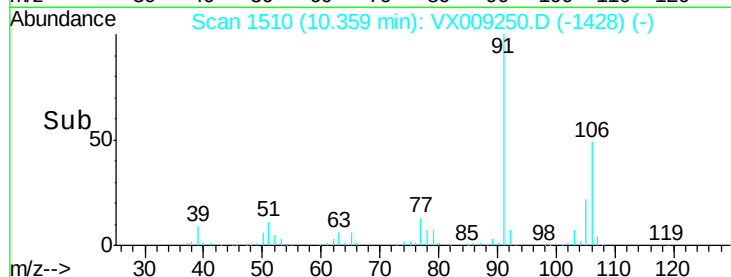
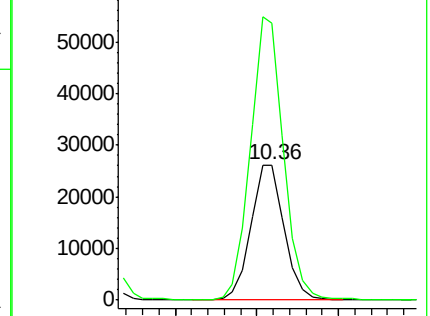
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 3.246 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009250.D

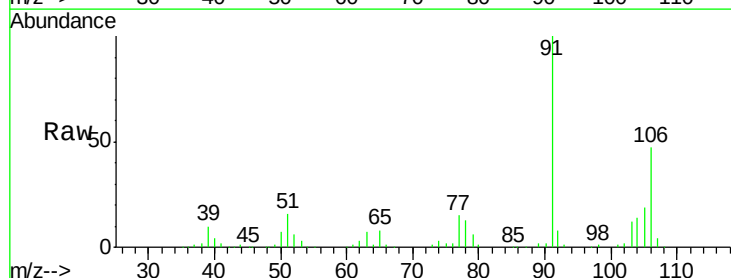
Acq: 01 May 2019 11:07

Tgt Ion:106 Resp: 18711

Ion Ratio Lower Upper

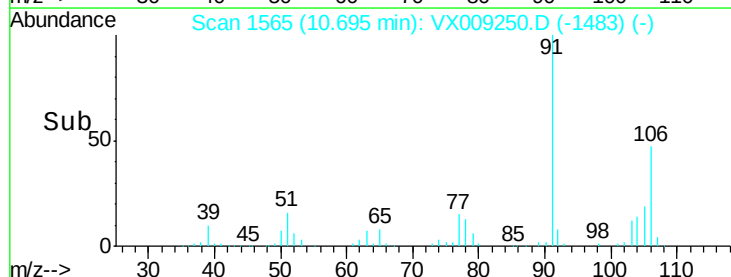
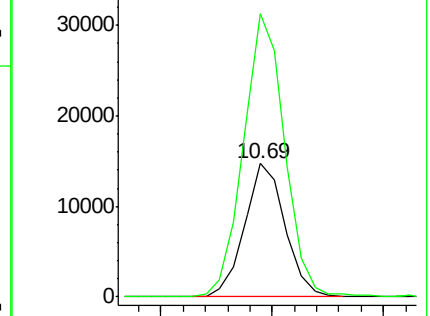
106 100

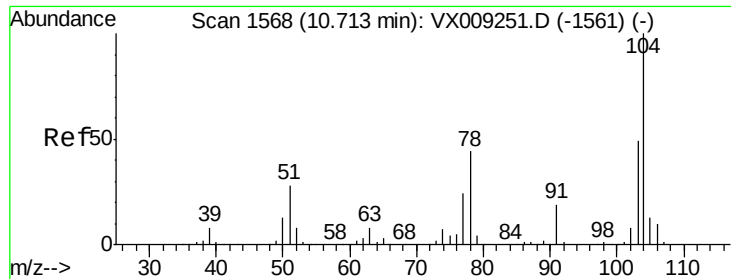
91 215.8 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





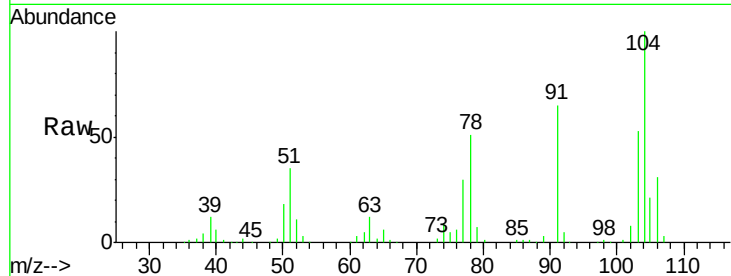
#69
Stvrene
Concen: 3.069 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.1	61.7
103	55.6	43.8	65.8

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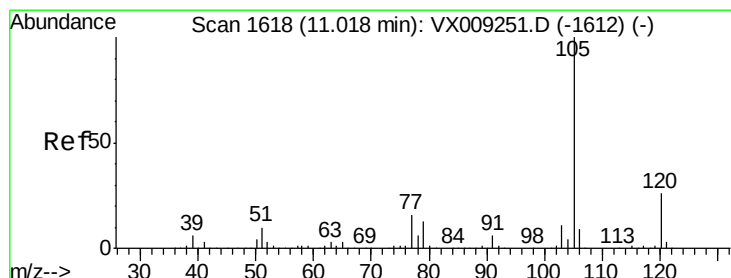
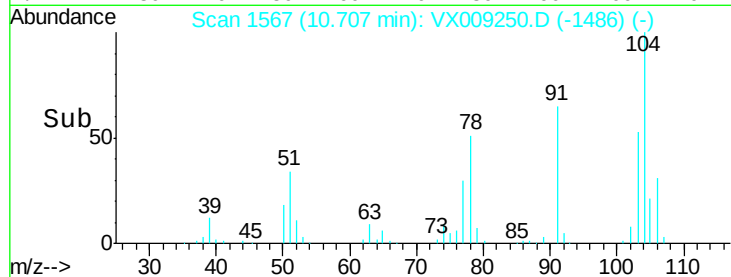
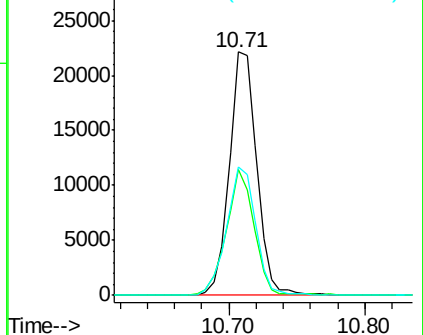


Abundance

Ion 104.00 (103.70 to 104.70): V

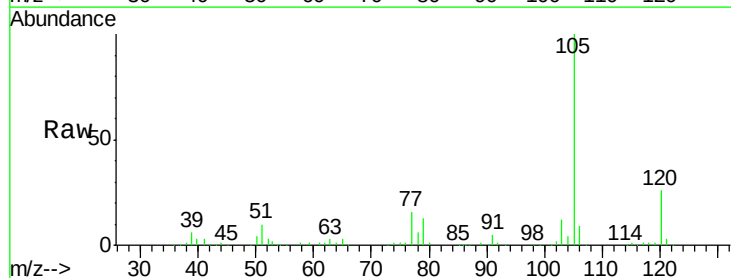
Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 3.171 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

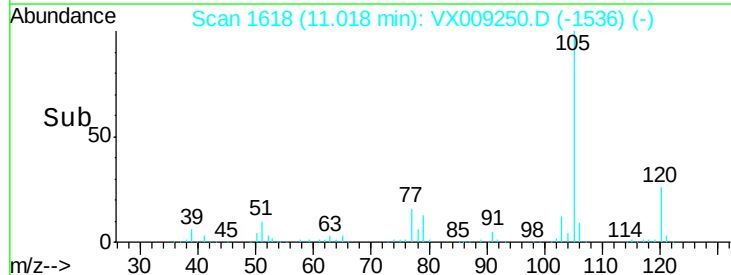
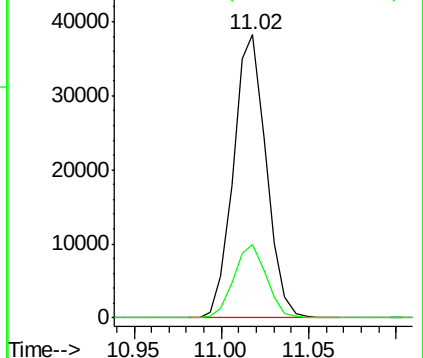
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.1	33.7

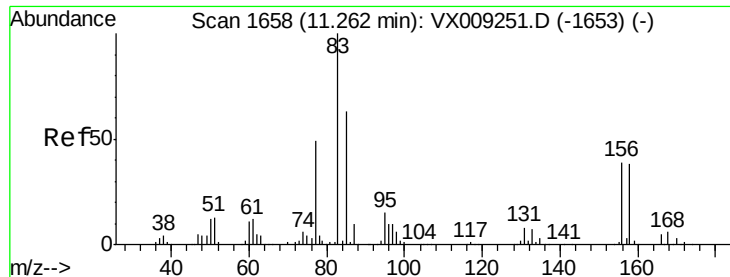


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 3.250 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

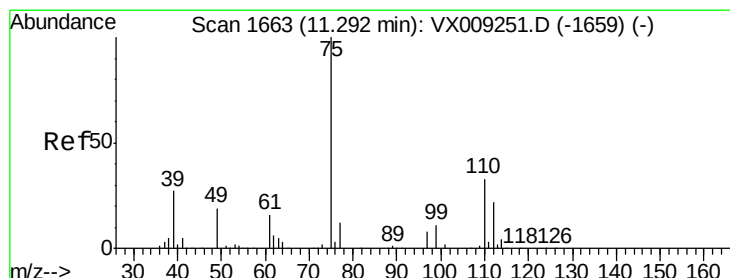
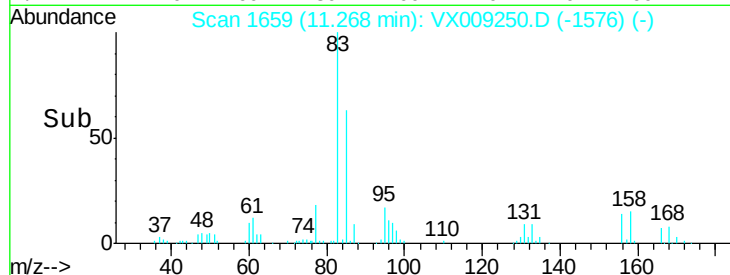
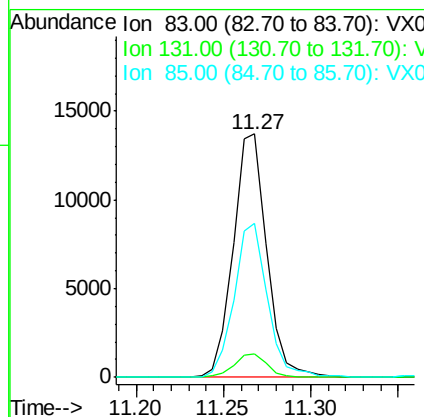
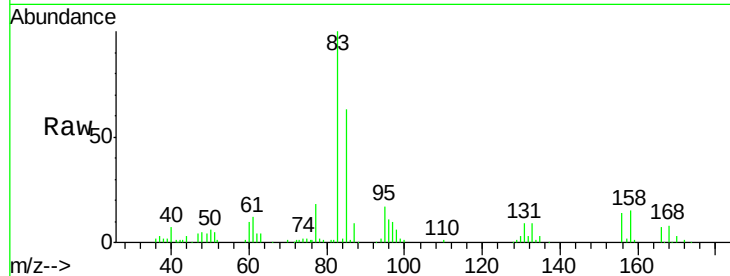
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	18358
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.0
85	62.7	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 3.039 ug/l m

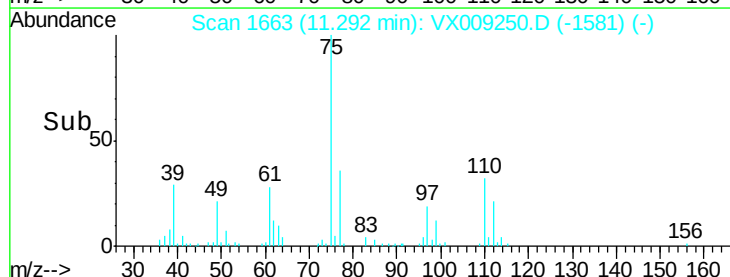
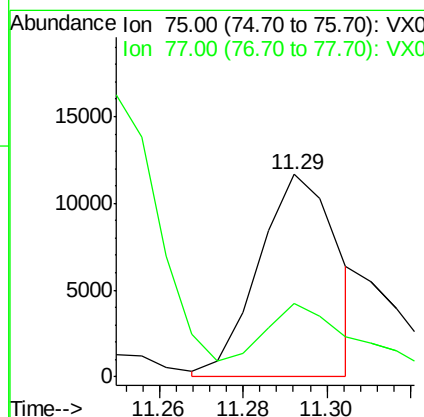
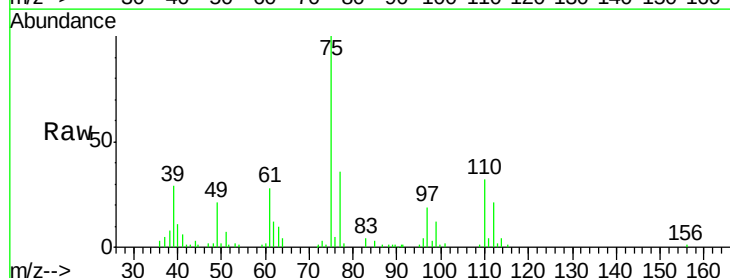
RT: 11.29 min Scan# 1663

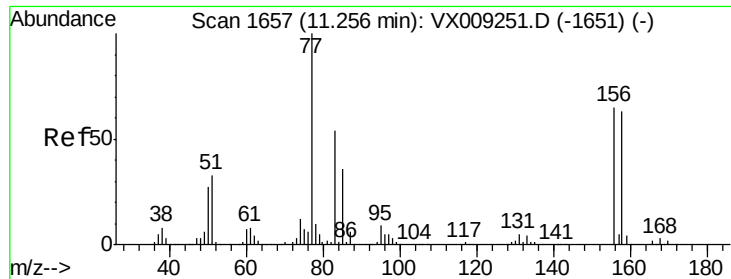
Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	75	Resp:	15139
Ion Ratio	Lower	Upper	
75	100		
77	45.4	0.0	86.4





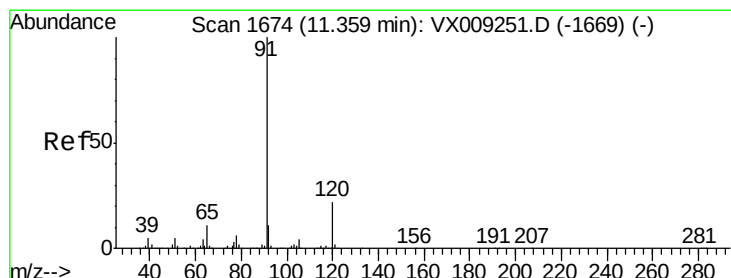
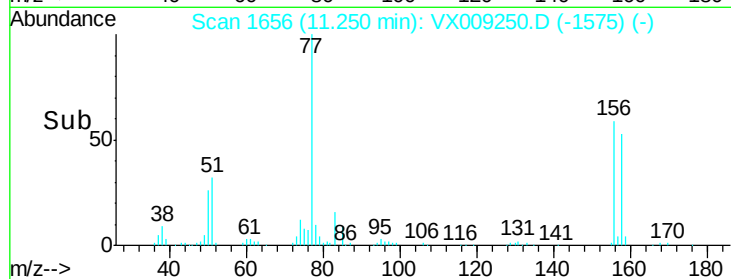
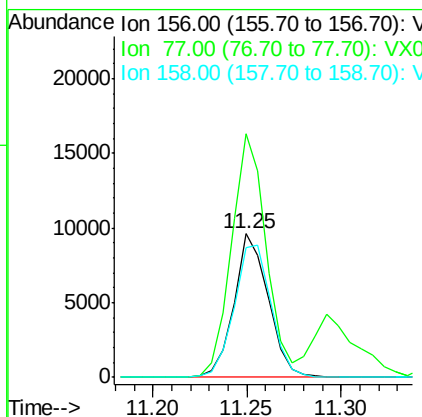
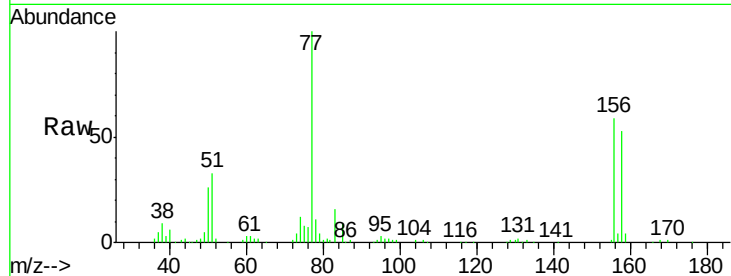
#73
Bromobenzene
Concen: 3.139 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.6	0.0	335.6
158	99.5	0.0	191.2

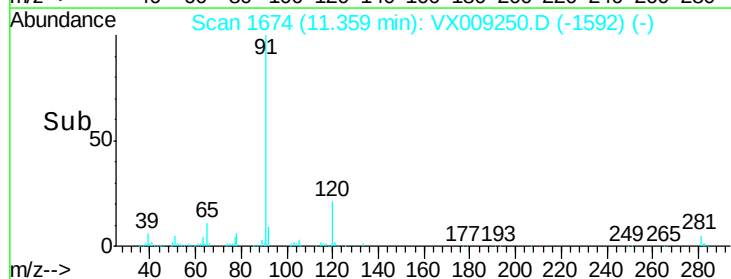
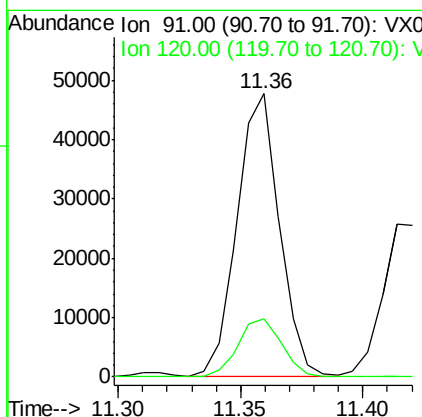
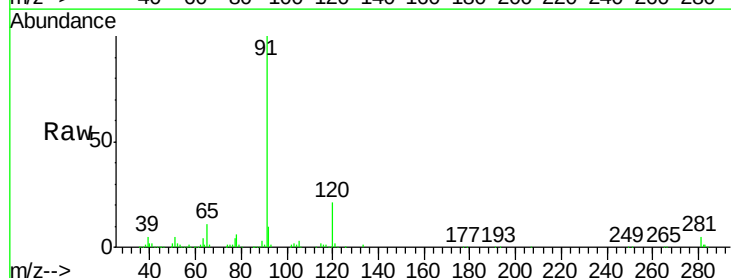
Manual Integrations
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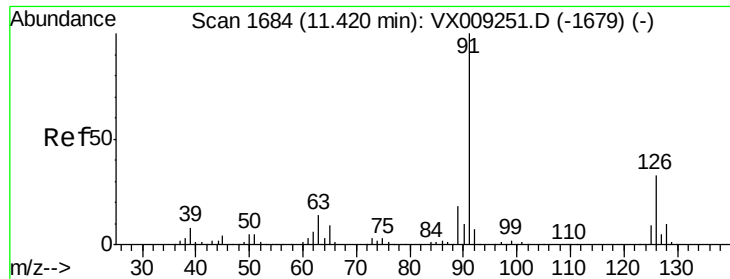
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#74
n-propylbenzene
Concen: 3.202 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	43.4





#75

2-Chlorotoluene

Concen: 3.190 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 34651

Ion Ratio Lower Upper

91 100

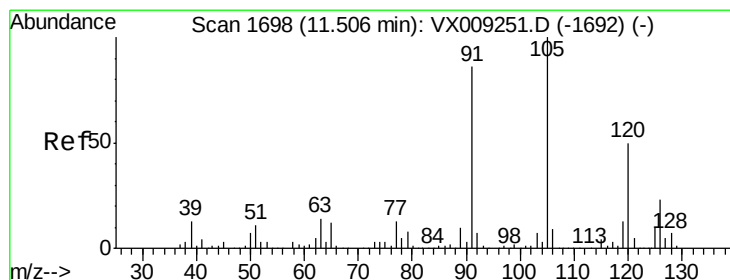
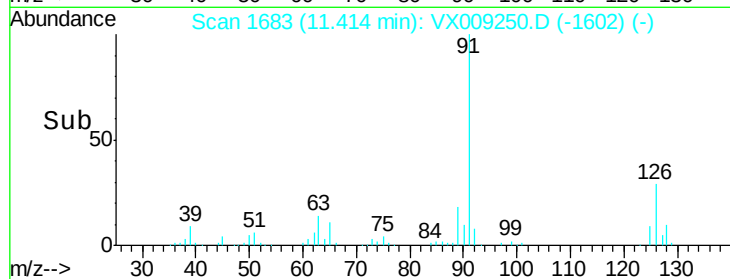
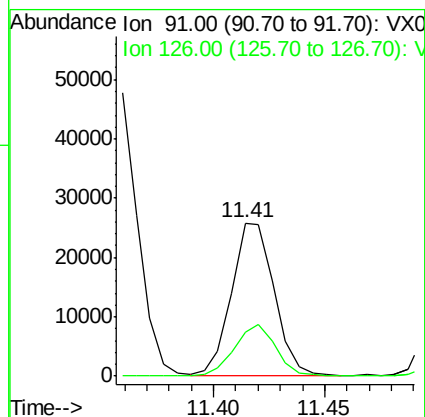
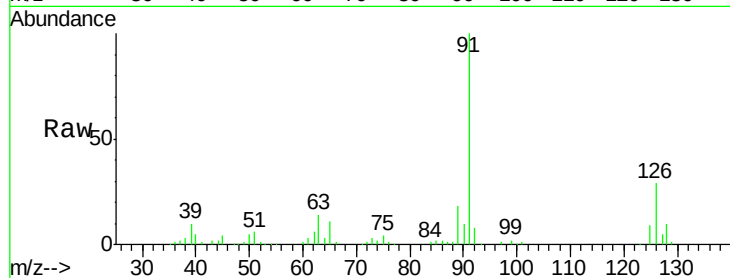
126 32.5 0.0 64.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 3.124 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009250.D

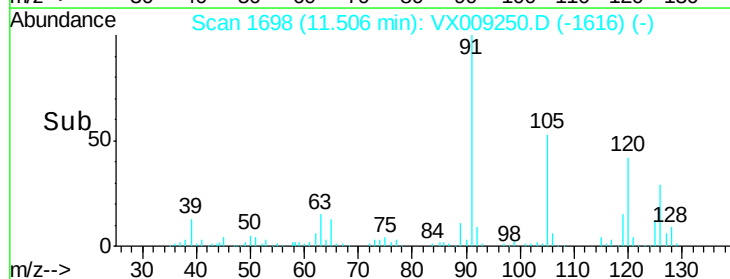
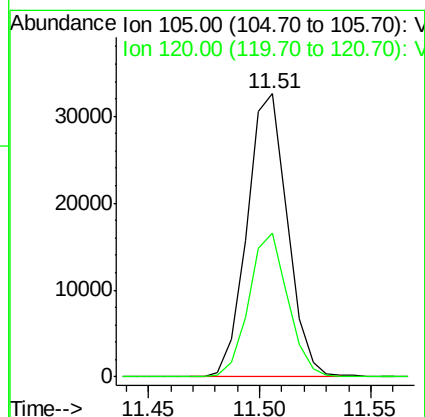
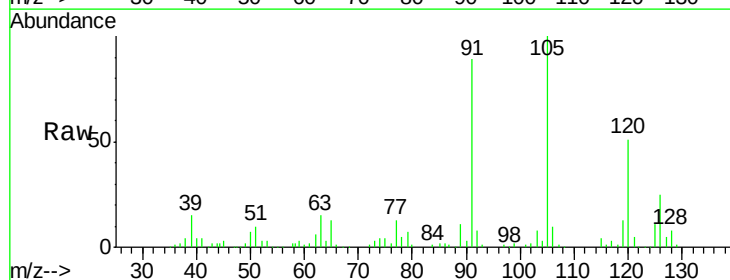
Acq: 01 May 2019 11:07

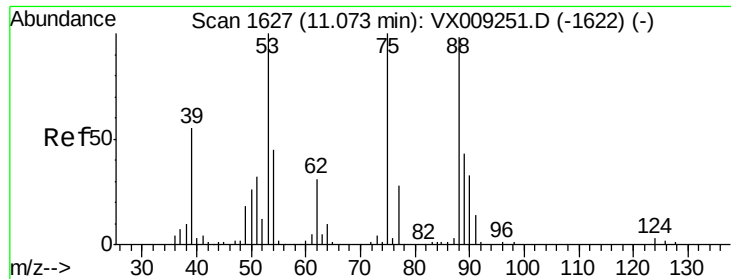
Tgt Ion: 105 Resp: 41220

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 2.763 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 5079

Ion Ratio Lower Upper

75 100

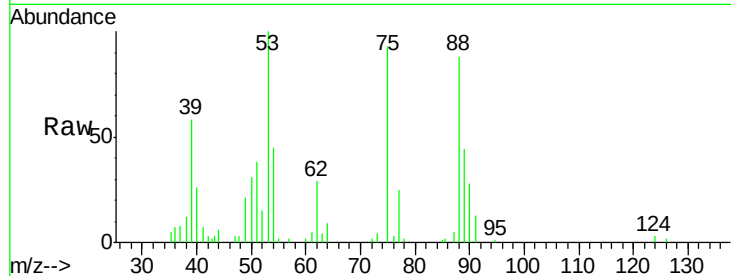
53 108.2 50.0 149.8

89 48.0 21.6 65.0

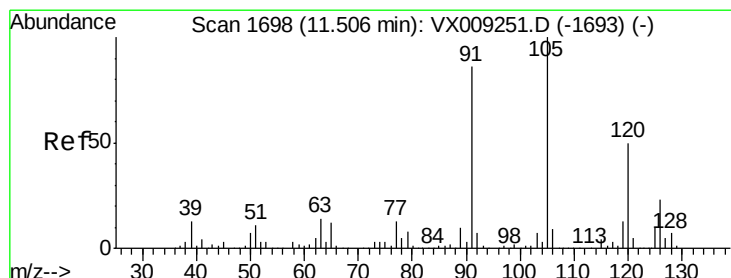
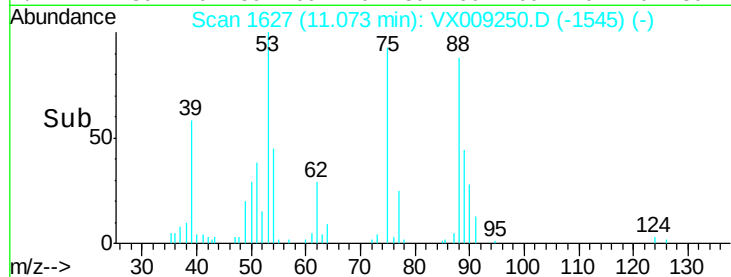
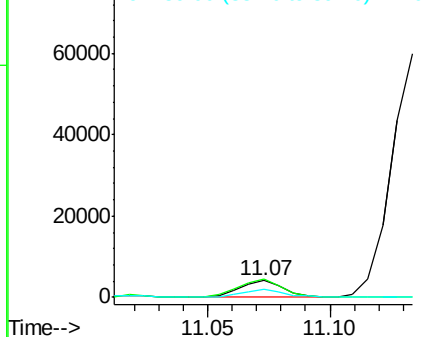
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 3.189 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009250.D

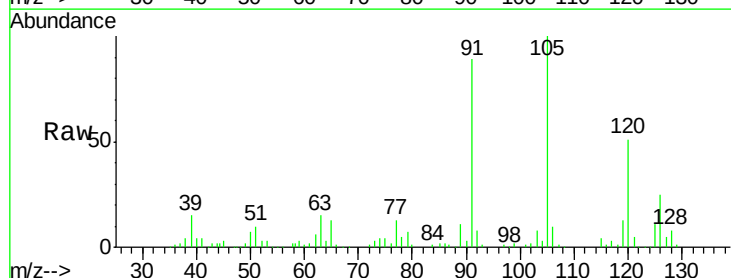
Acq: 01 May 2019 11:07

Tgt Ion: 91 Resp: 38771

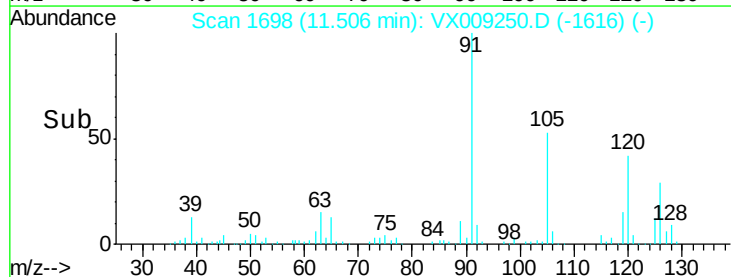
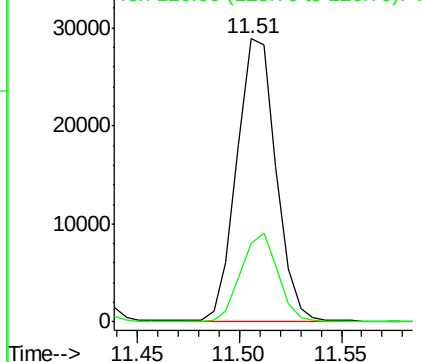
Ion Ratio Lower Upper

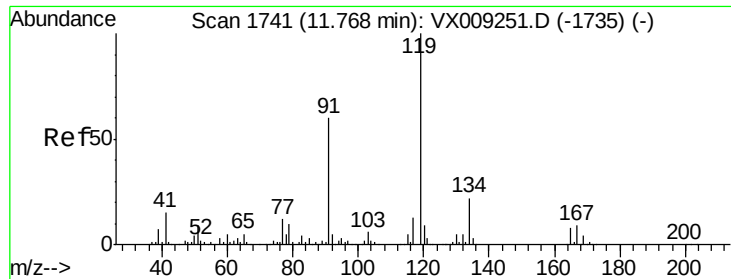
91 100

126 29.4 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





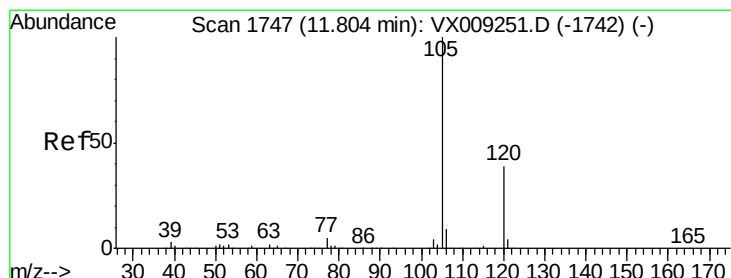
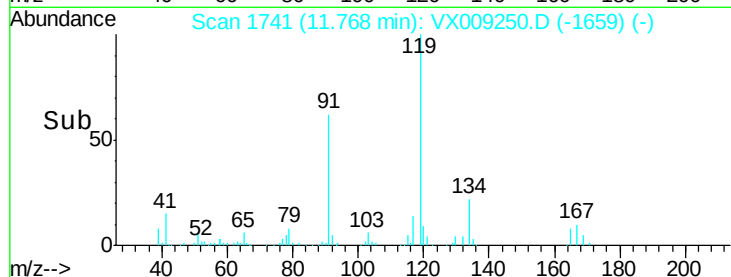
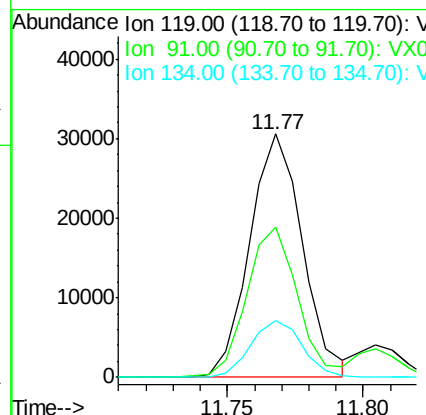
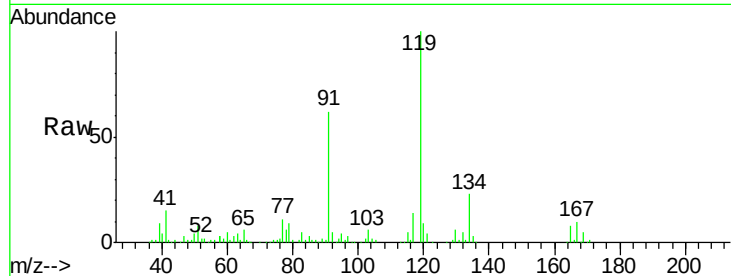
#79
tert-butylbenzene
Concen: 3.226 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	41108		
91	59.5	0.0	118.2	
134	22.9	0.0	45.0	

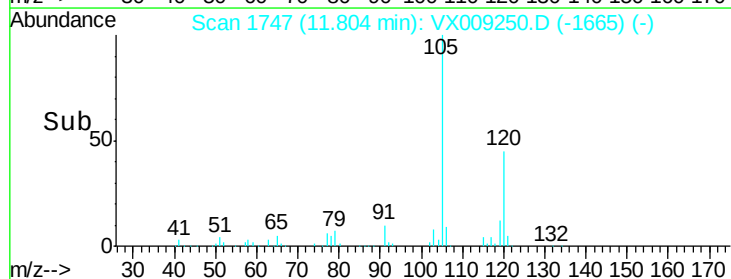
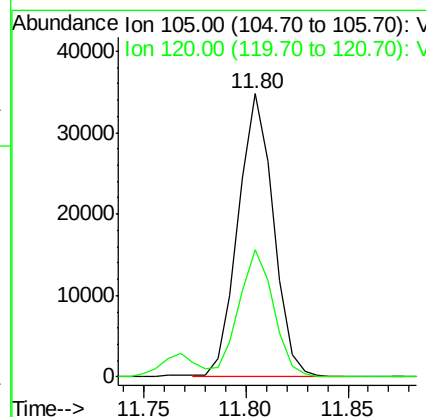
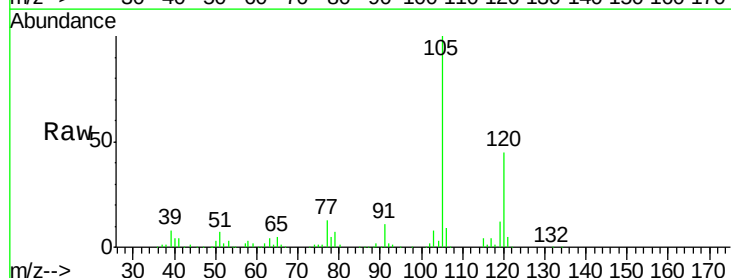
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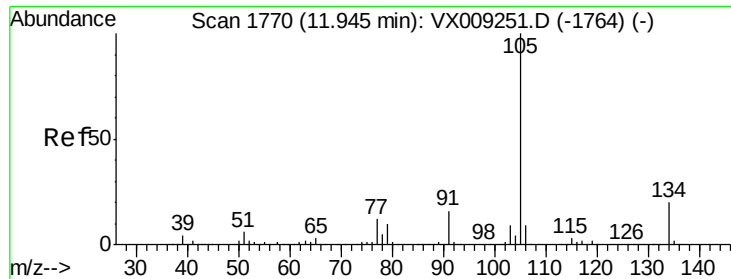
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 3.157 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	41595		
120	44.6	0.0	89.6	





#81

sec-Butylbenzene

Concen: 3.238 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 48888

Ion Ratio Lower Upper

105 100

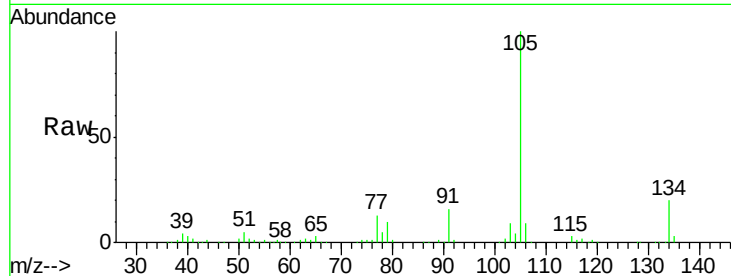
134 18.5 0.0 38.6

Manual Integrations

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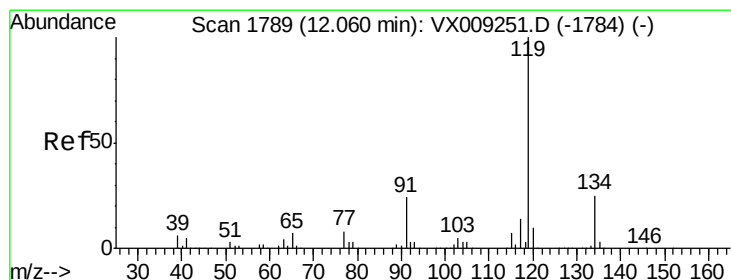
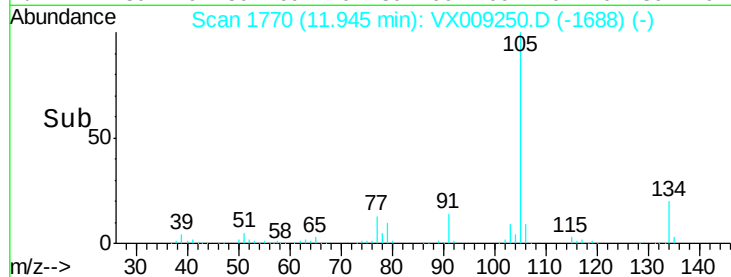
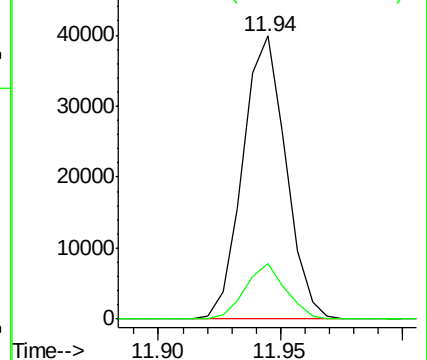
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 3.187 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

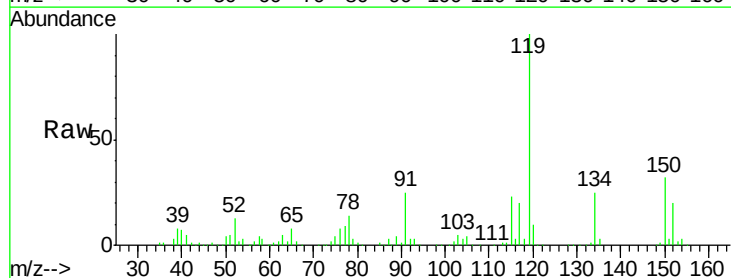
Tgt Ion:119 Resp: 43660

Ion Ratio Lower Upper

119 100

134 25.4 0.0 50.8

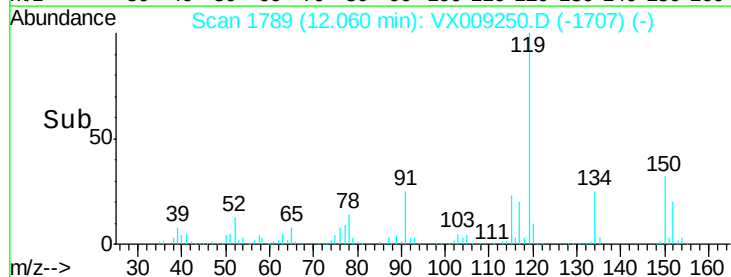
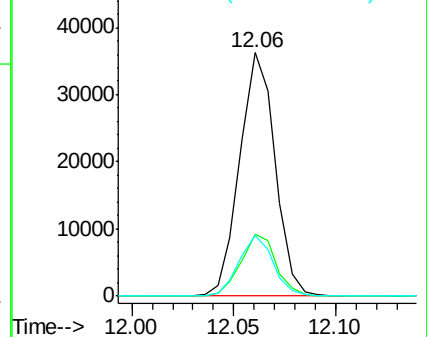
91 24.3 0.0 47.2

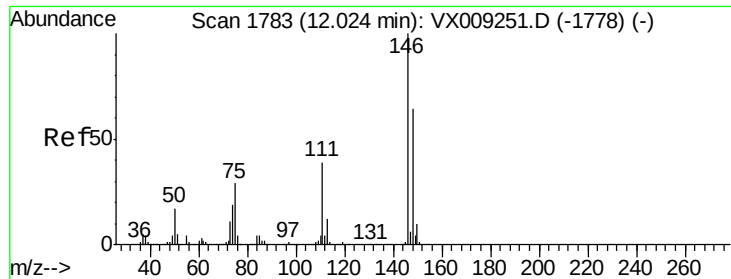


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





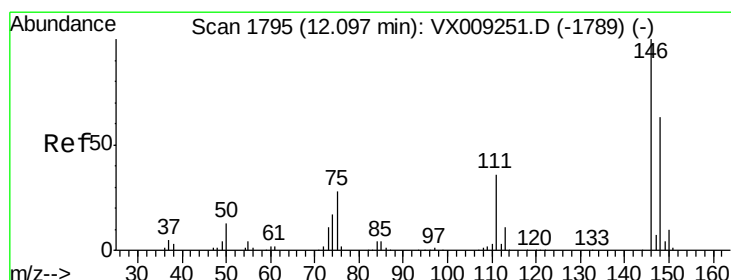
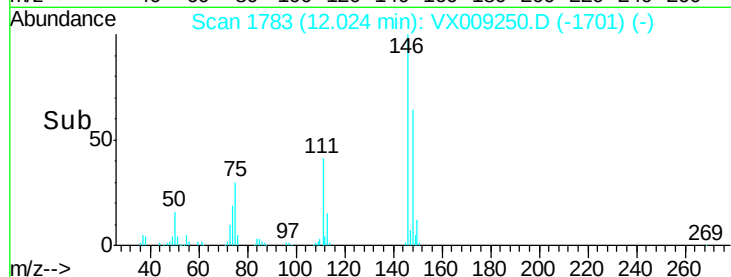
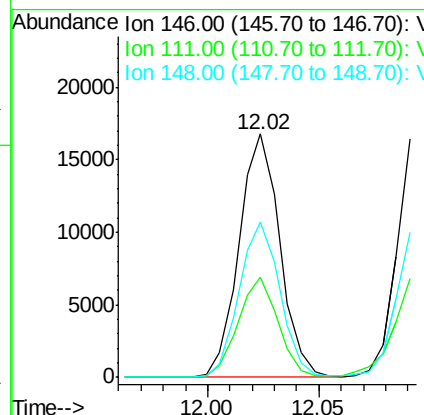
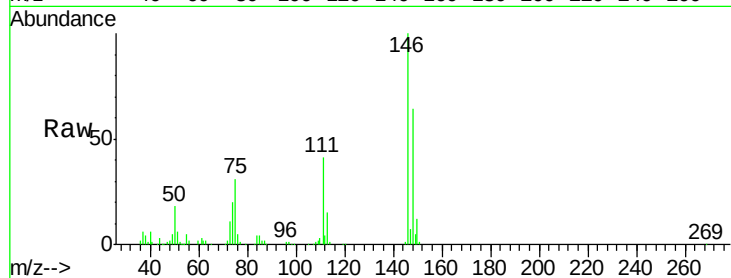
#83
 1,3-Dichlorobenzene
 Concen: 3.197 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	63.8	32.2	96.6

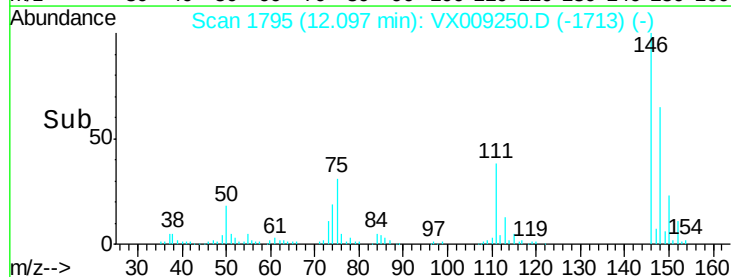
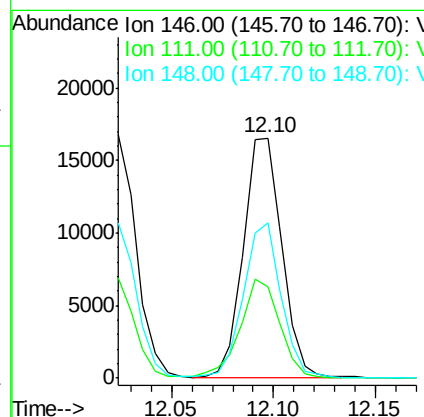
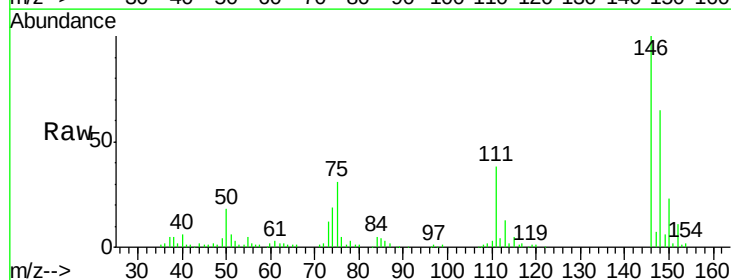
Manual Integrations
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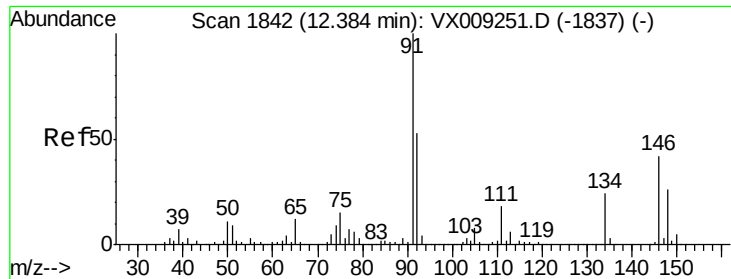
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 3.296 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.6	58.7
148	63.5	32.3	96.8





#85

n-Butylbenzene

Concen: 3.116 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

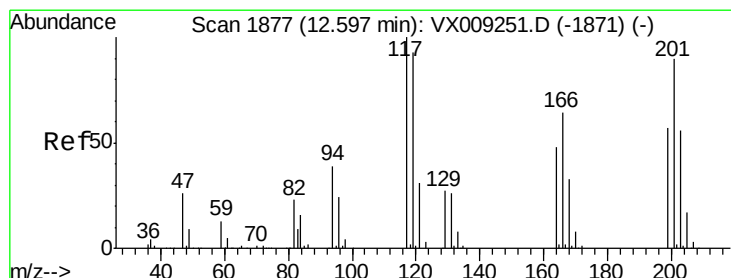
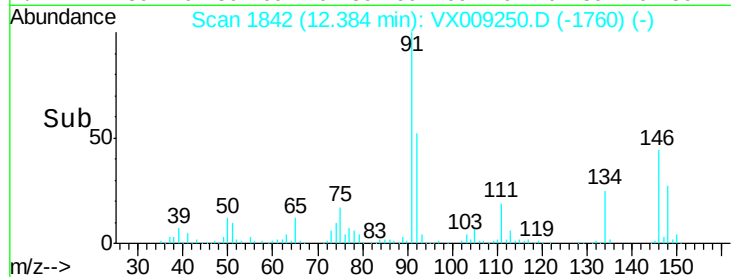
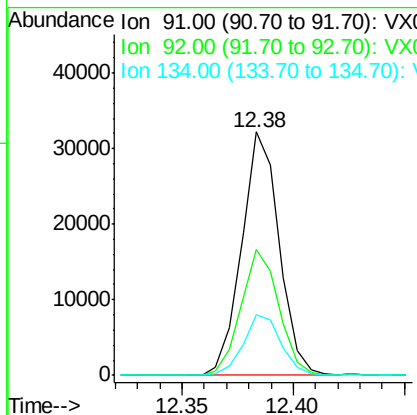
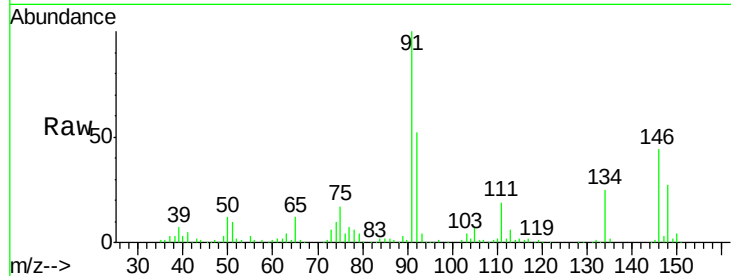
ClientSampled :

VSTDIC005

Tot Ion:	91	Resp:	37878
Ion	Ratio	Lower	Upper
91	100		
92	52.3	0.0	106.6
134	25.1	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 2.979 ug/l

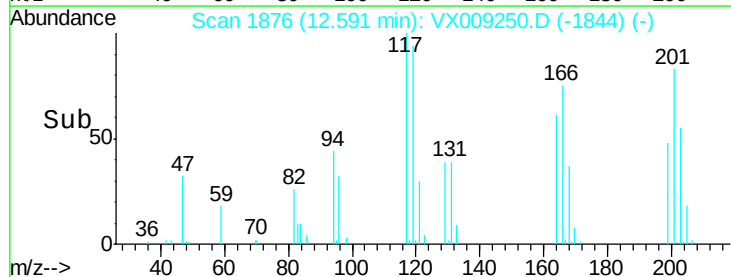
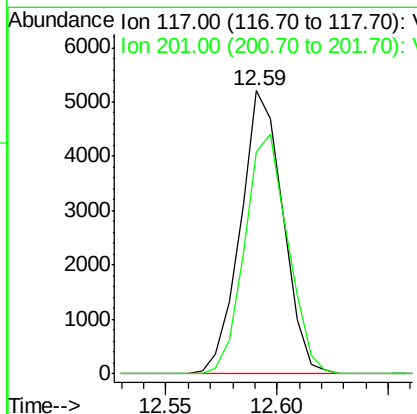
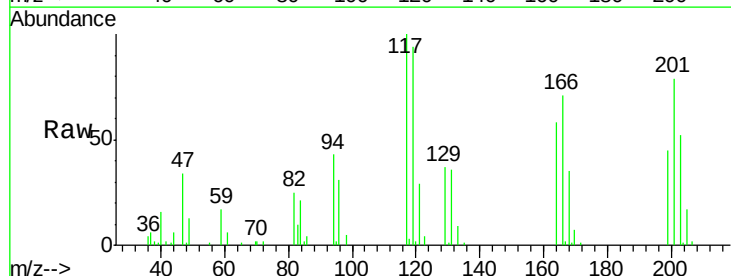
RT: 12.59 min Scan# 1876

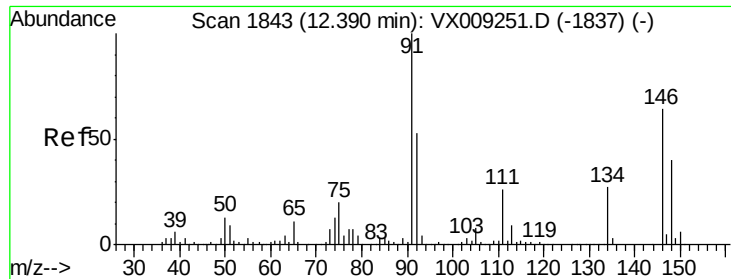
Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	117	Resp:	6928
Ion	Ratio	Lower	Upper
117	100		
201	85.7	41.8	125.4





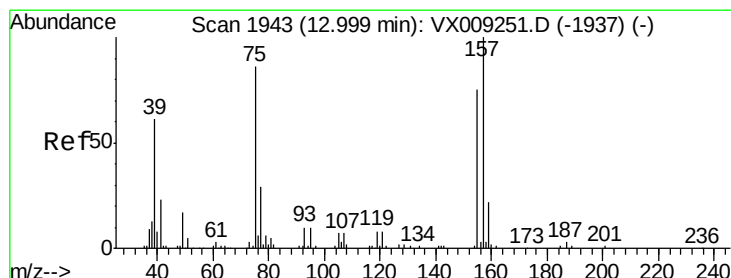
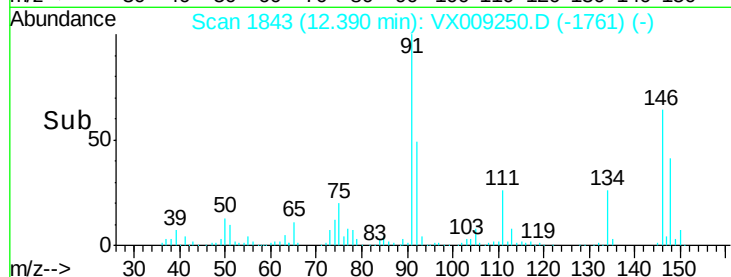
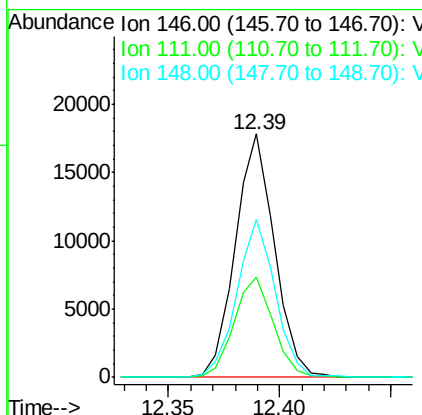
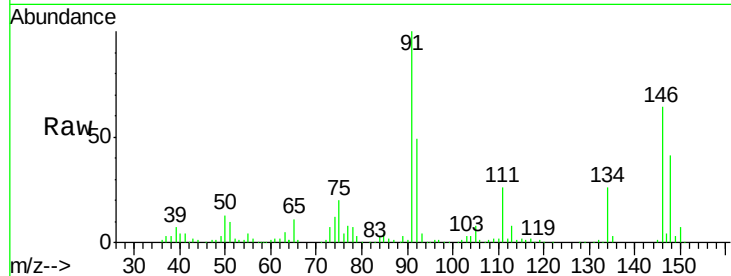
#87
 1,2-Dichlorobenzene
 Concen: 3.184 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.2
148	63.7	31.4	94.3

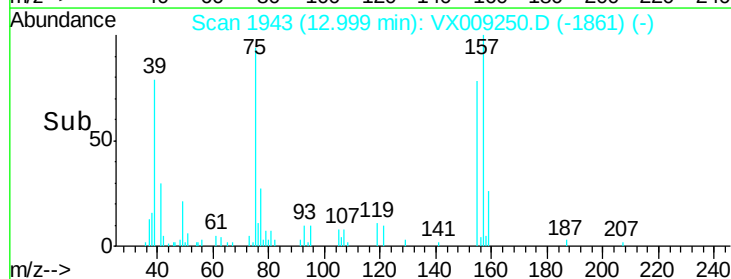
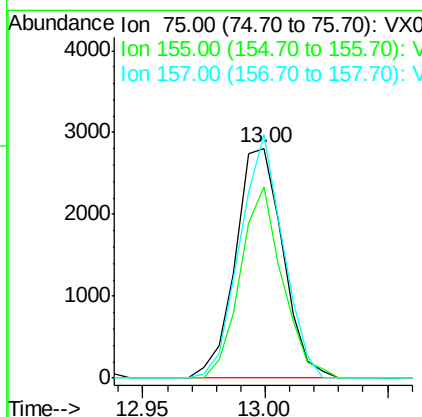
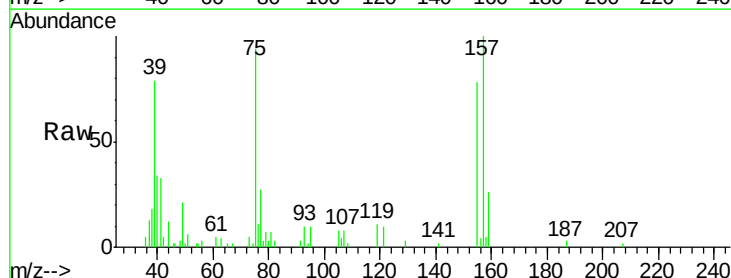
Manual Integrations
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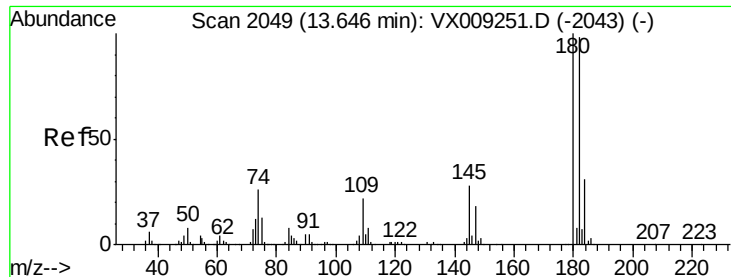
MMDadoda
 5/2/2019 10:53:03 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.903 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	65.9	98.9
157	96.2	85.2	127.8





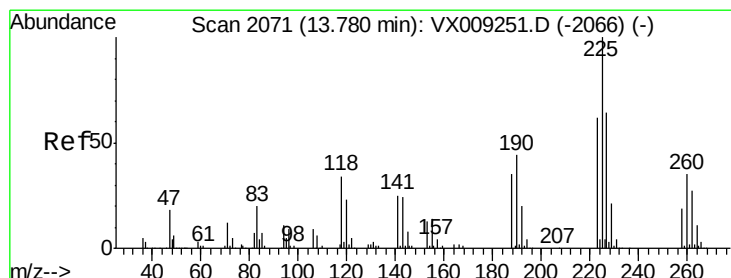
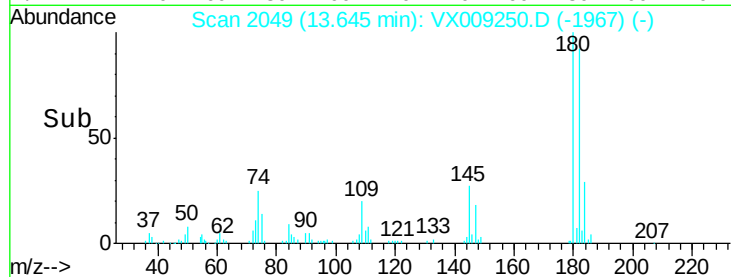
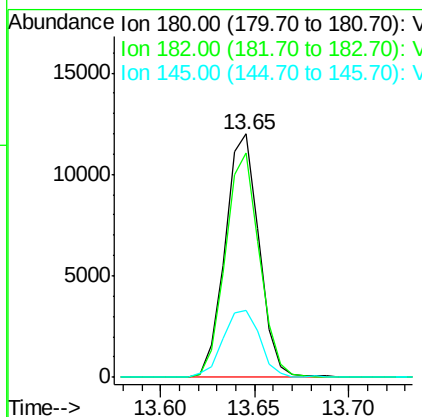
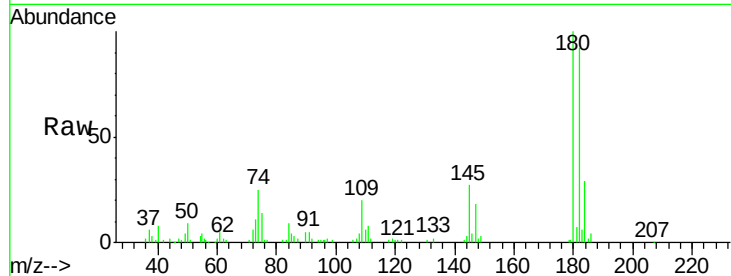
#89
 1,2,4-Trichlorobenzene
 Concen: 3.200 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	76.9	115.3
145	29.9	23.0	34.6

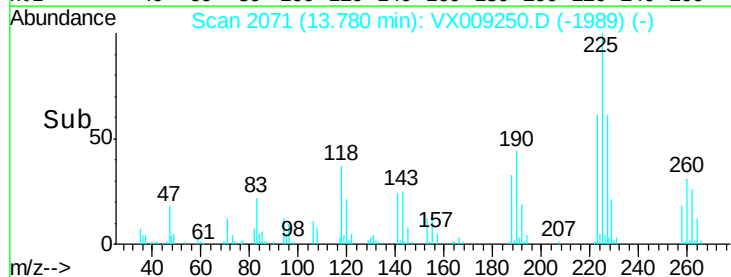
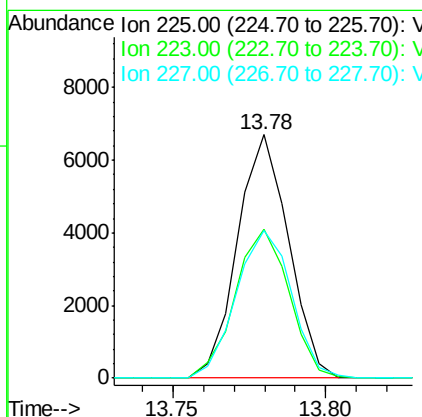
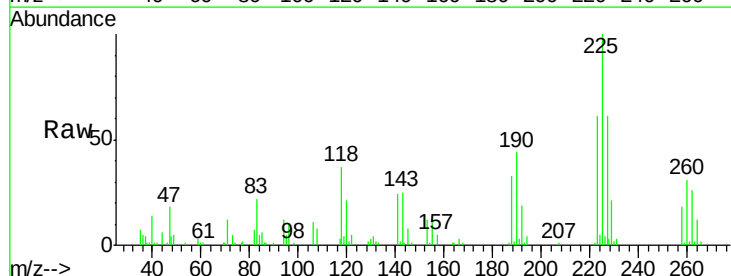
Manual Integrations
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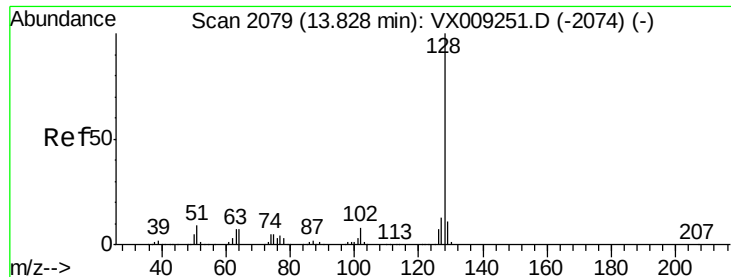
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#90
 Hexachlorobutadiene
 Concen: 3.266 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	0.0	126.6
227	65.8	0.0	130.0





#91

Naphthalene

Concen: 2.982 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

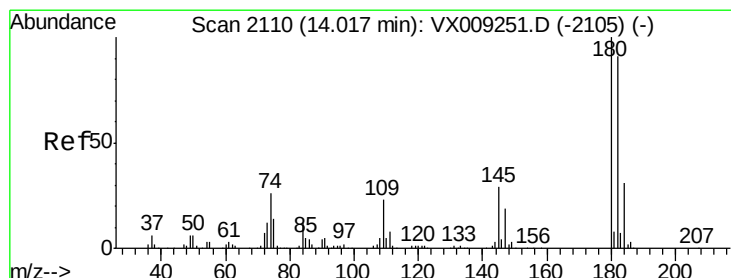
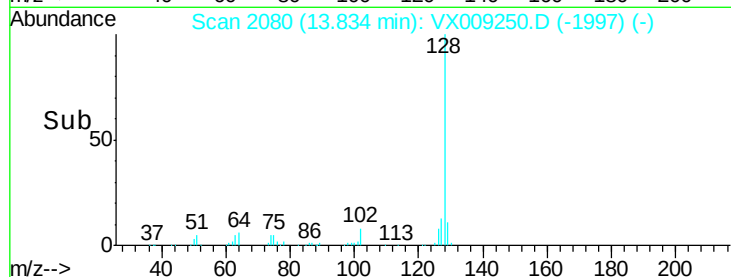
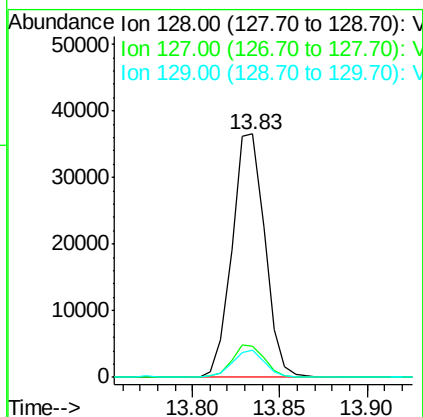
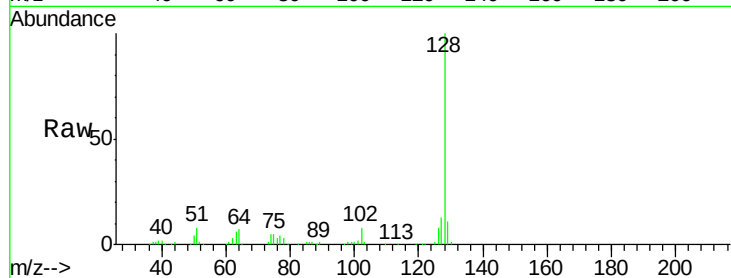
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	47894
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 3.195 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion:	180	Resp:	15763
Ion Ratio	Lower	Upper	
180	100		
182	94.4	0.0	189.0
145	30.1	0.0	61.6

