

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007521.D
 Acq On : 13 Feb 2019 15:37
 Operator : JC/SP
 Sample : VX0214WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Manual Integrations
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 2/14/2019 10:57:10 AM

Quant Time: Feb 14 03:13:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	649995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	958737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	851174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	429072	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	398542	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
35) Dibromofluoromethane	5.50	113	364915	58.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.00%	
50) Toluene-d8	8.71	98	1289601	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
62) 4-Bromofluorobenzene	11.13	95	456101	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	141463	17.825	ug/l	97
3) Chloromethane	1.33	50	125020	17.076	ug/l	99
4) Vinyl Chloride	1.41	62	134448	18.719	ug/l	98
5) Bromomethane	1.64	94	126309	17.466	ug/l	95
6) Chloroethane	1.72	64	86108	18.533	ug/l	100
7) Trichlorofluoromethane	1.93	101	223539	19.895	ug/l	97
8) Diethyl Ether	2.19	74	84558	19.995	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	130800	19.571	ug/l	98
10) Methyl Iodide	2.51	142	158822	16.154	ug/l	99
11) Tert butyl alcohol	3.07	59	155941	109.219	ug/l	99
12) 1,1-Dichloroethene	2.38	96	116288	18.738	ug/l	98
13) Acrolein	2.30	56	59923	89.500	ug/l	100
14) Allyl chloride	2.73	41	205437	20.316	ug/l	98
15) Acrylonitrile	3.15	53	365662	103.527	ug/l	100
16) Acetone	2.45	43	383969	121.497	ug/l	97
17) Carbon Disulfide	2.57	76	274831	18.338	ug/l	99
18) Methyl Acetate	2.78	43	202437	24.886	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	408350	20.310	ug/l	97
20) Methylene Chloride	2.86	84	128149	19.613	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	121544	18.385	ug/l	95
22) Diisopropyl ether	3.87	45	385190	20.709	ug/l	99
23) Vinyl Acetate	3.82	43	1603983	103.917	ug/l	99
24) 1,1-Dichloroethane	3.70	63	217922	20.401	ug/l	100
25) 2-Butanone	4.70	43	510295	113.461	ug/l	99
26) 2,2-Dichloropropane	4.59	77	169528	20.840	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	141450	19.589	ug/l	99
28) Bromochloromethane	5.02	49	115233	23.458	ug/l	98
29) Tetrahydrofuran	5.15	42	312044	110.316	ug/l	98
30) Chloroform	5.21	83	231012	20.725	ug/l	100
31) Cyclohexane	5.57	56	182823	19.056	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	191776	20.383	ug/l	99
36) 1,1-Dichloropropene	5.80	75	161954	18.827	ug/l	100
37) Ethyl Acetate	4.86	43	179818	20.679	ug/l	98
38) Carbon Tetrachloride	5.79	117	170260	20.402	ug/l	100

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Manual Integrations
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Quant Time: Feb 14 03:13:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	197133	18.941	ug/l	99
40) Benzene	6.14	78	505037	19.931	ug/l	98
41) Methacrylonitrile	5.06	41	97737	20.971	ug/l	98
42) 1,2-Dichloroethane	6.20	62	169256	19.305	ug/l	97
43) Isopropyl Acetate	6.46	43	280861	20.925	ug/l	100
44) Trichloroethene	7.21	130	148049	19.399	ug/l	96
45) 1,2-Dichloropropane	7.52	63	127974	20.157	ug/l	97
46) Dibromomethane	7.66	93	90056	19.516	ug/l	98
47) Bromodichloromethane	7.90	83	159937	20.451	ug/l	96
48) Methyl methacrylate	7.77	41	144007	21.450	ug/l	99
49) 1,4-Dioxane	7.75	88	65805	434.913	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	931652	105.441	ug/l	100
52) Toluene	8.79	92	317286	19.407	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	171418	20.406	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	193040	20.897	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	136233	19.991	ug/l	97
56) Ethyl methacrylate	9.18	69	192041	20.346	ug/l	99
57) 1,3-Dichloropropane	9.37	76	217762	20.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	519544	104.432	ug/l	99
59) 2-Hexanone	9.49	43	718832	104.547	ug/l	98
60) Dibromochloromethane	9.59	129	137004	21.257	ug/l	99
61) 1,2-Dibromoethane	9.67	107	145103	20.106	ug/l	99
64) Tetrachloroethene	9.34	164	153021	19.074	ug/l	97
65) Chlorobenzene	10.13	112	359415	19.350	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	131686	21.146	ug/l	99
67) Ethyl Benzene	10.25	91	595091	19.895	ug/l	99
68) m/p-Xylenes	10.36	106	460733	38.749	ug/l	100
69) o-Xylene	10.70	106	228252	19.950	ug/l	99
70) Styrene	10.71	104	364028	19.619	ug/l	100
71) Bromoform	10.85	173	98467	20.605	ug/l #	99
73) Isopropylbenzene	11.02	105	605725	20.774	ug/l	99
74) N-amyl acetate	10.90	43	243695	21.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	198479	22.336	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	185251m	22.196	ug/l	
77) Bromobenzene	11.26	156	165378	20.130	ug/l	99
78) n-propylbenzene	11.36	91	662761	20.729	ug/l	100
79) 2-Chlorotoluene	11.42	91	391350	20.172	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	493374	20.683	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53032	22.208	ug/l	98
82) 4-Chlorotoluene	11.51	91	455059	20.271	ug/l	100
83) tert-Butylbenzene	11.77	119	493777	20.907	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	500291	20.658	ug/l	99
85) sec-Butylbenzene	11.94	105	598706	20.945	ug/l	99
86) p-Isopropyltoluene	12.06	119	538470	20.868	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	289467	19.633	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	289518	19.355	ug/l	99
89) n-Butylbenzene	12.39	91	446649	20.122	ug/l	99
90) Hexachloroethane	12.60	117	84655	21.921	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	289634	19.739	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41568	22.497	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

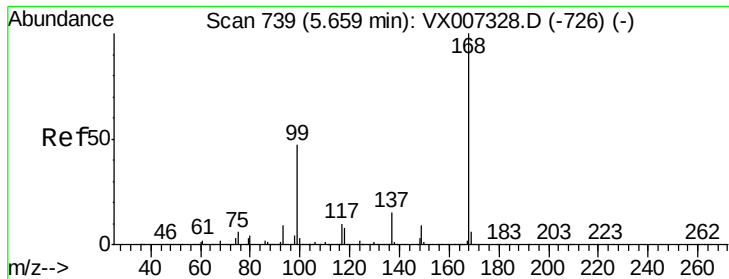
Manual Integrations
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Quant Time: Feb 14 03:13:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	190880	19.290	ug/l	99
94) Hexachlorobutadiene	13.78	225	96481	20.080	ug/l	97
95) Naphthalene	13.83	128	618501	21.374	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	192163	19.293	ug/l	98

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



#1

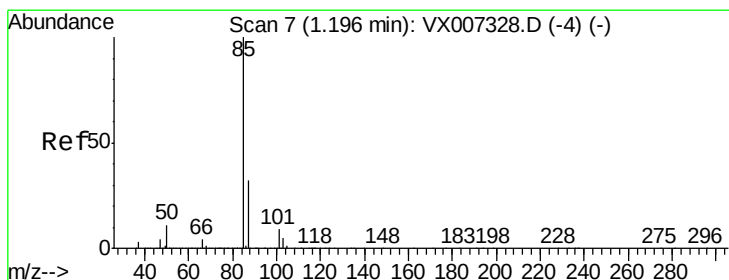
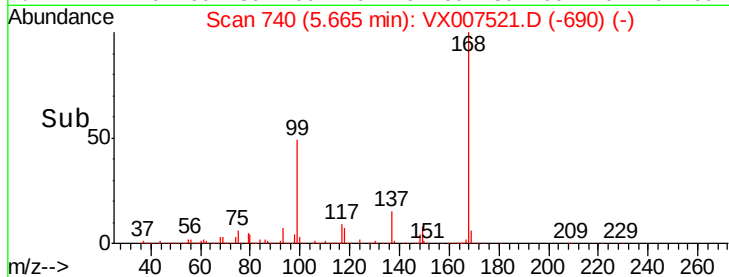
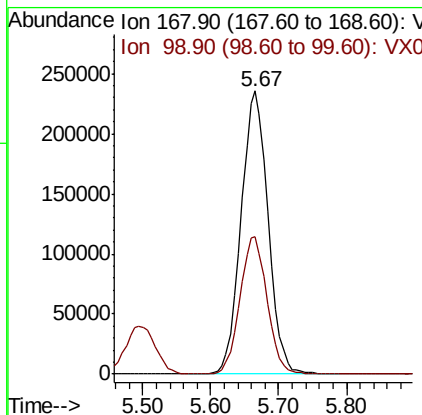
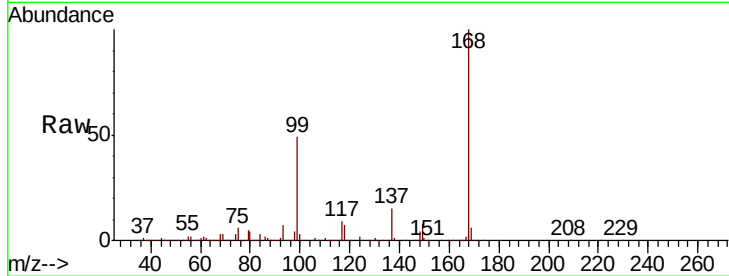
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.4	37.9	56.9

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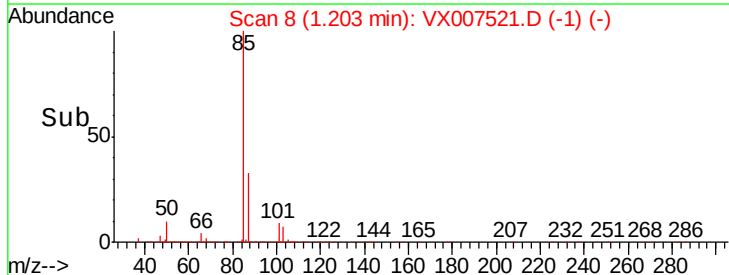
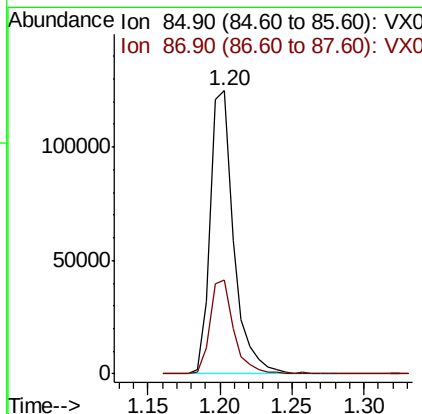
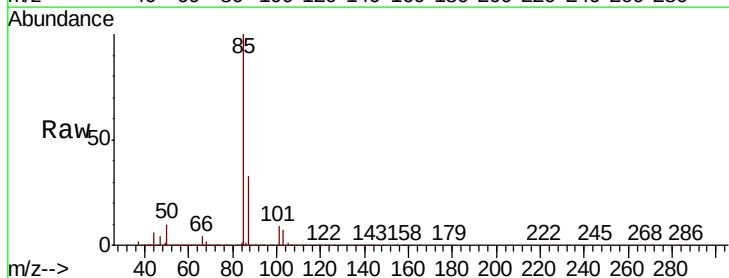
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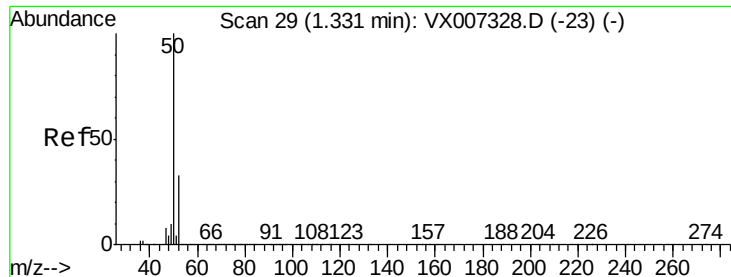


#2

Dichlorodifluoromethane
 Concen: 17.825 ug/l
 RT: 1.20 min Scan# 8
 Delta R.T. 0.01 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	15.8	47.4





#3

Chloromethane

Concen: 17.076 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampled :

VX0214WBSD01

Tot Ion: 50 Resp: 125020

Ion Ratio Lower Upper

50 100

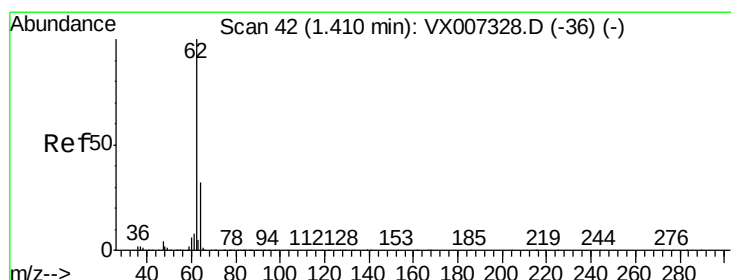
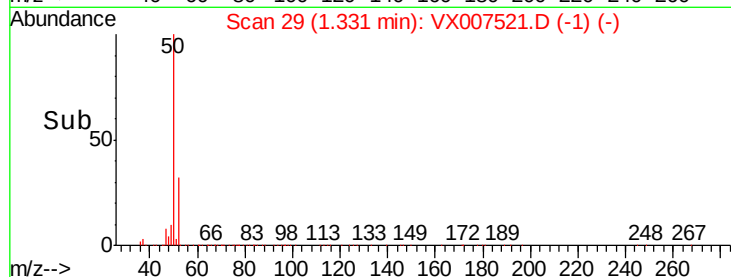
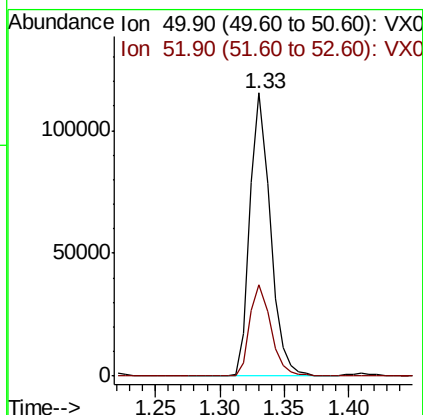
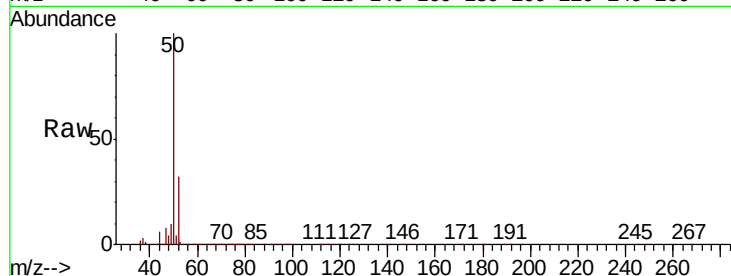
52 32.1 26.1 39.1

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#4

Vinyl Chloride

Concen: 18.719 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007521.D

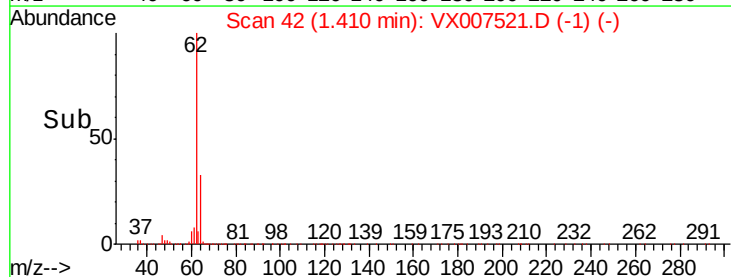
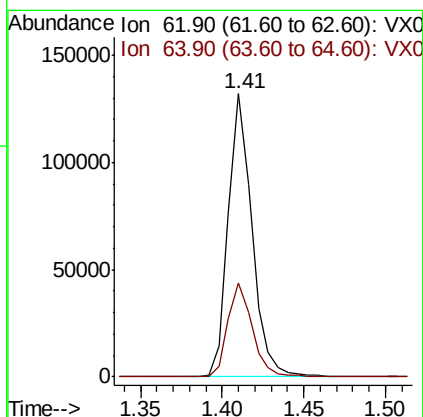
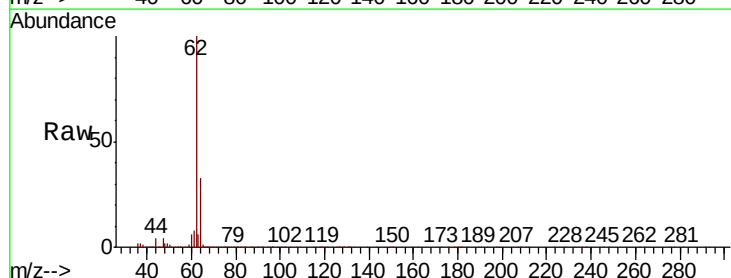
Acq: 13 Feb 2019 15:37

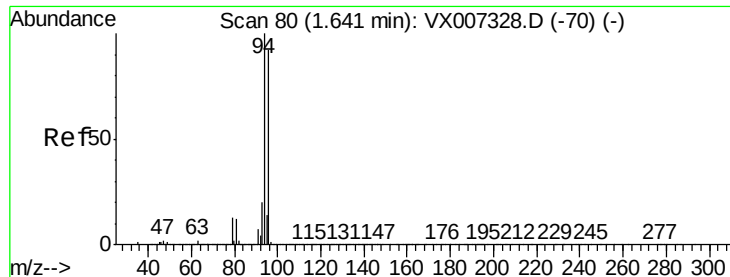
Tgt Ion: 62 Resp: 134448

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.0





#5

Bromomethane

Concen: 17.466 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion: 94 Resp: 126309

Ion Ratio Lower Upper

94 100

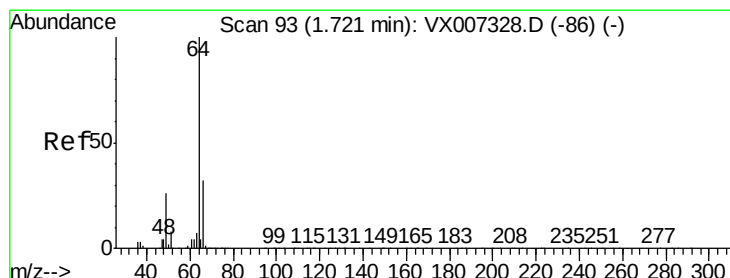
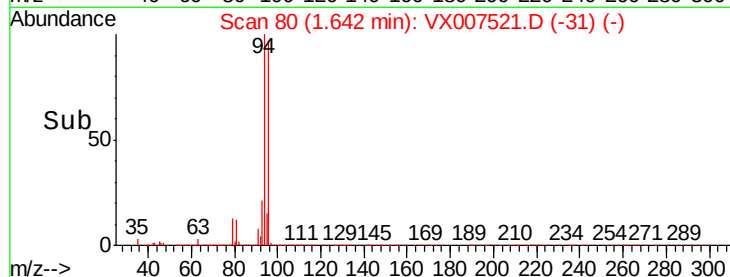
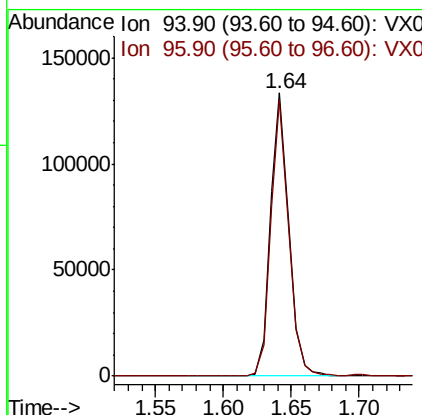
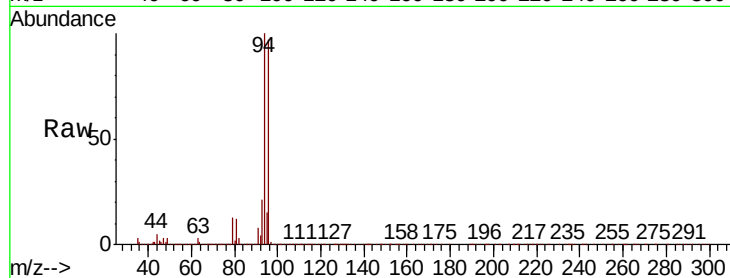
96 97.4 73.9 110.9

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#6

Chloroethane

Concen: 18.533 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007521.D

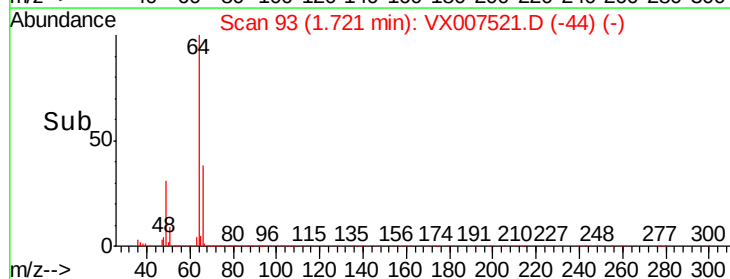
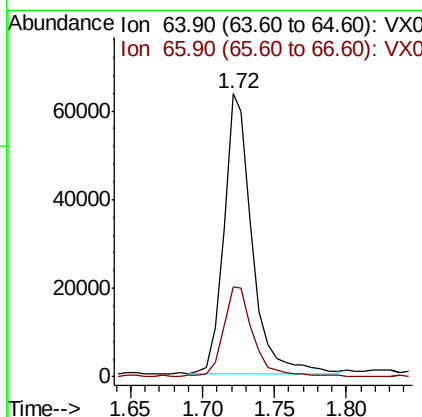
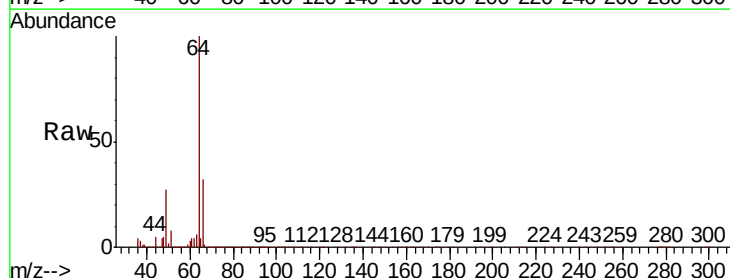
Acq: 13 Feb 2019 15:37

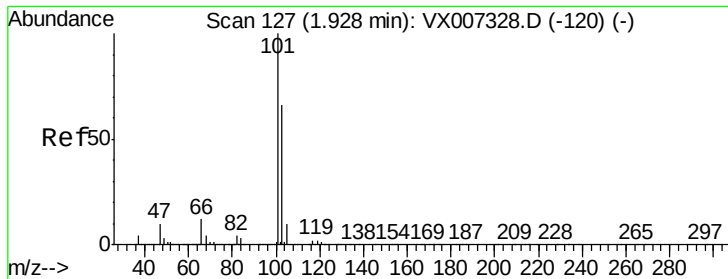
Tgt Ion: 64 Resp: 86108

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

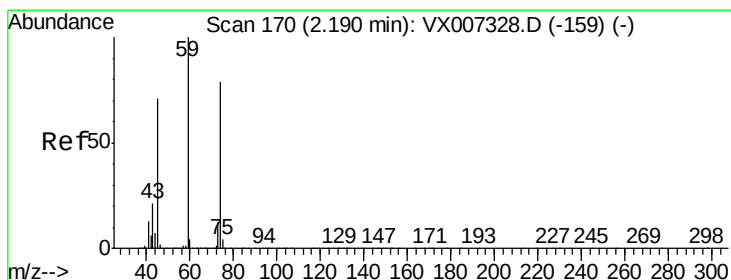
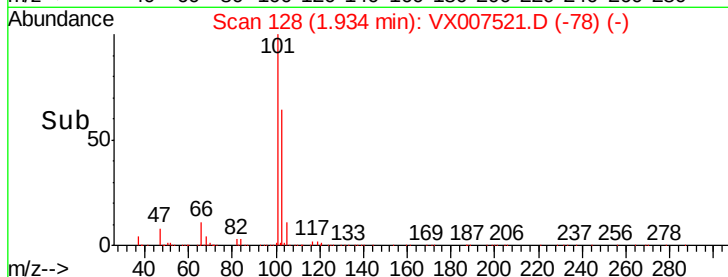
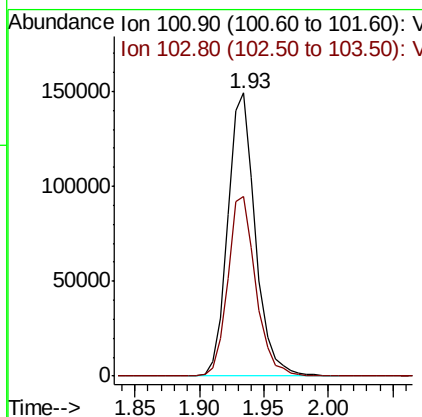
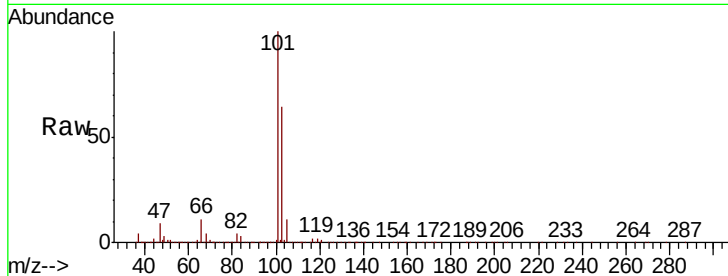
Trichlorofluoromethane
Concen: 19.895 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.6	79.0

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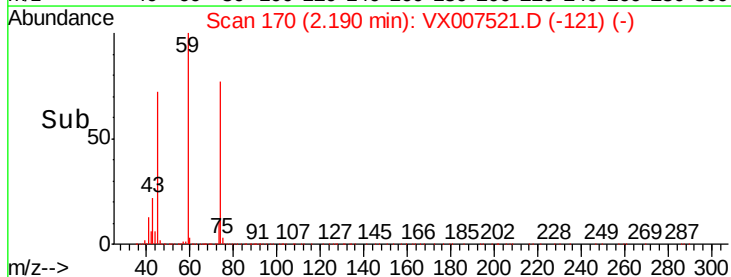
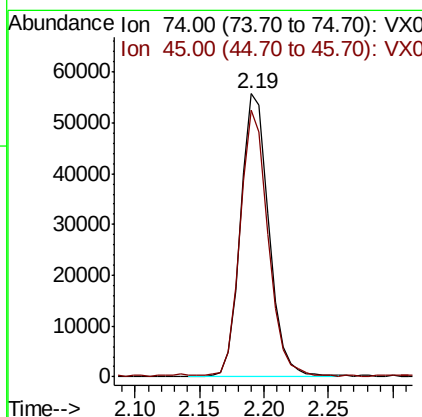
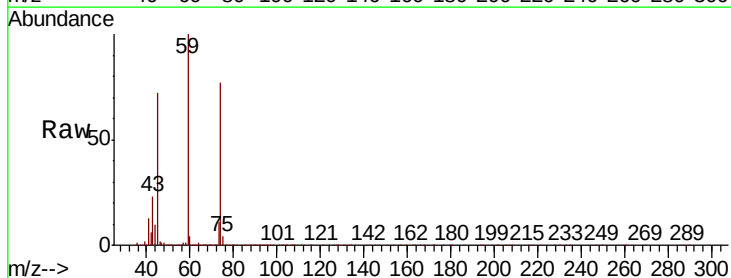
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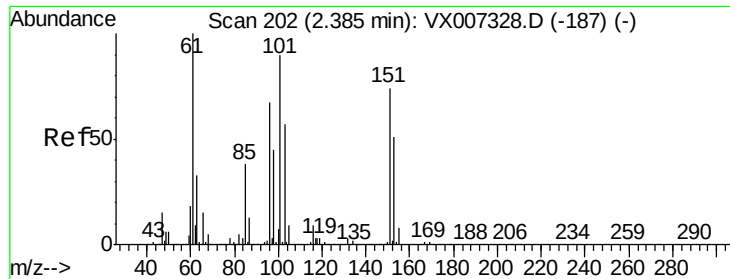


#8

Diethyl Ether
Concen: 19.995 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.571 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

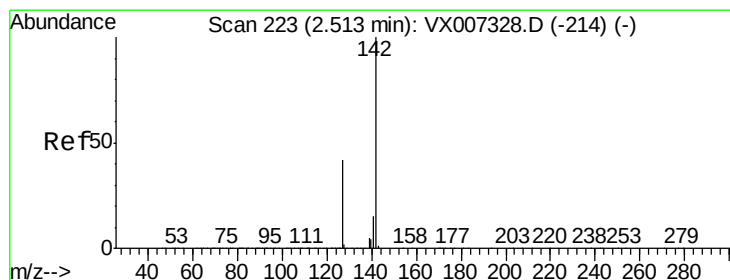
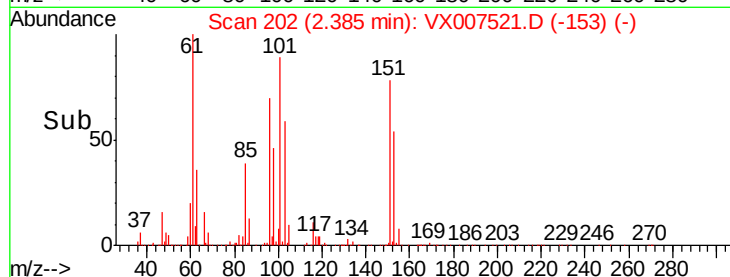
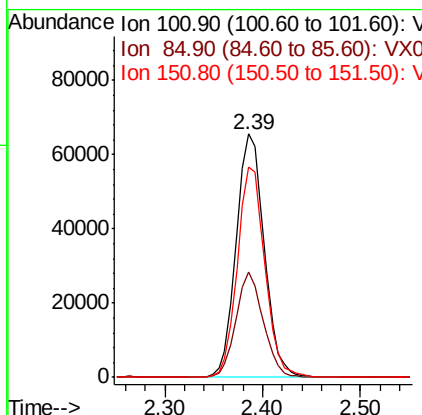
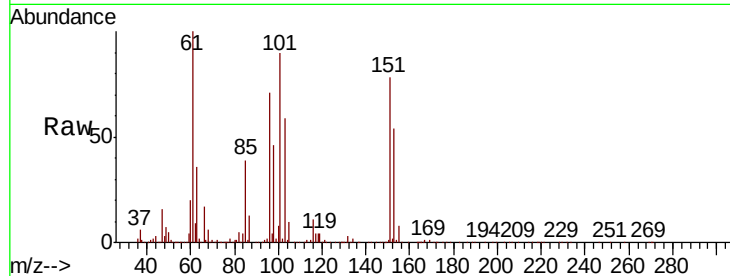
ClientSampleId :

VX0214WBSD01

Tot Ion:	101	Resp:	130800
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.1	51.1
151	84.9	69.9	104.9

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#10

Methyl Iodide

Concen: 16.154 ug/l

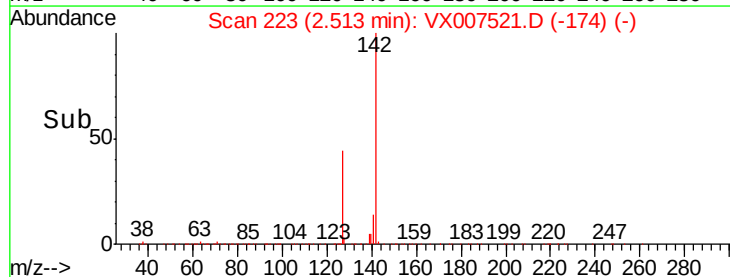
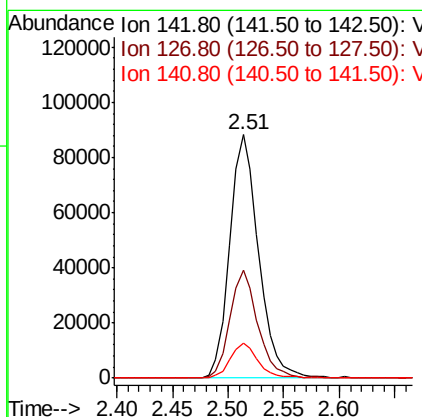
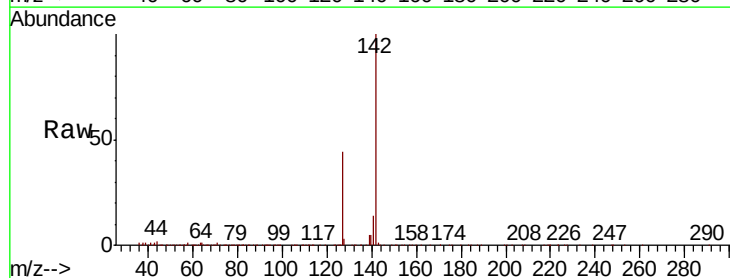
RT: 2.51 min Scan# 223

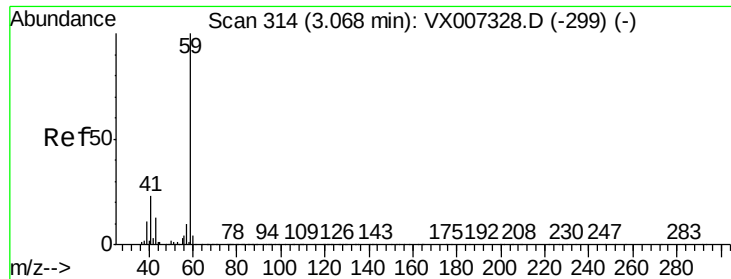
Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	142	Resp:	158822
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.7	50.5
141	14.0	11.3	16.9





#11

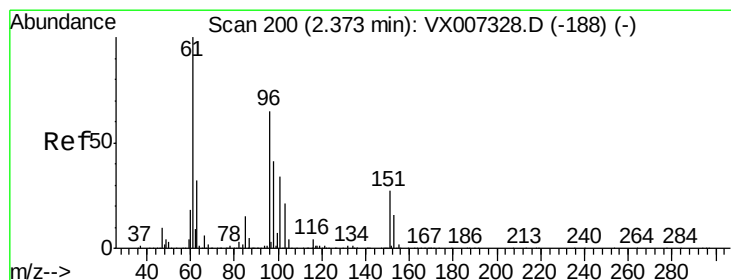
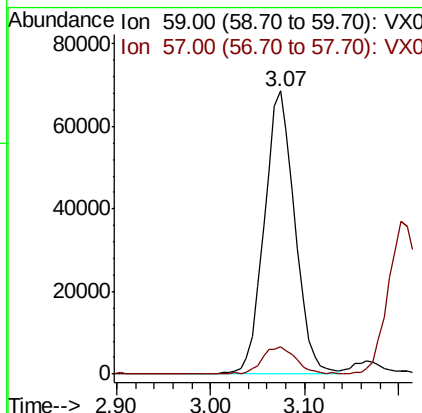
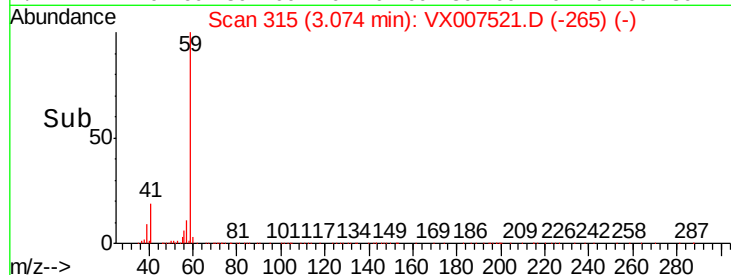
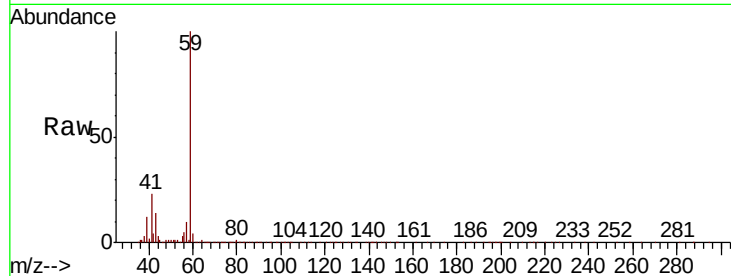
Tert butyl alcohol
Concen: 109.219 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

Manual Integrations
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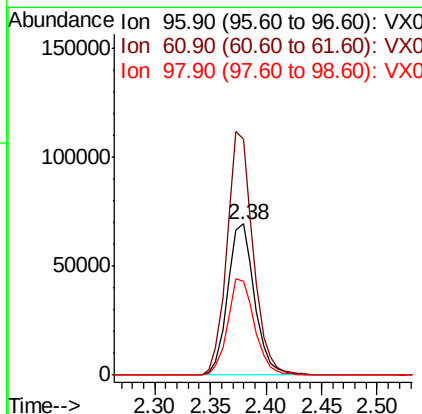
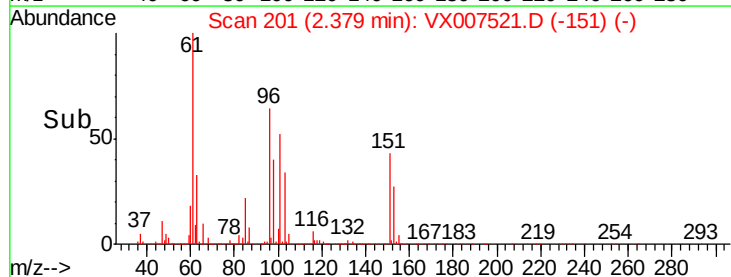
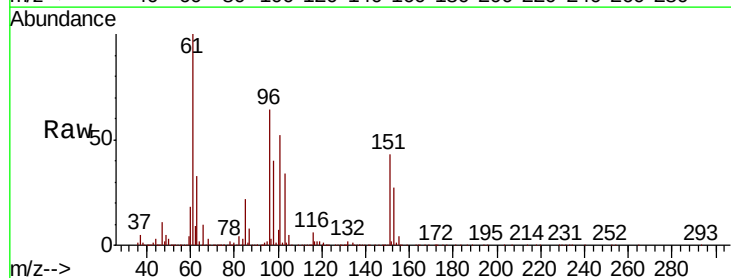
MMDadoda
2/14/2019 10:57:10 AM

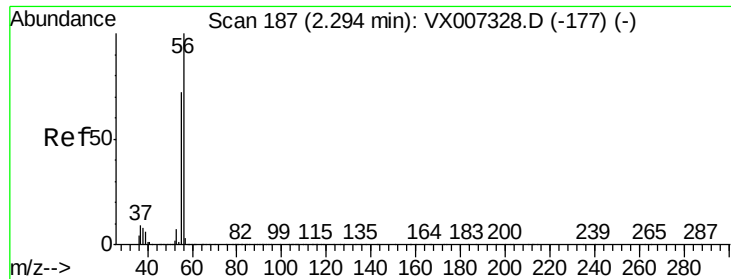


#12

1,1-Dichloroethene
Concen: 18.738 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	123.0	184.4
98	61.9	50.9	76.3





#13

Acrolein

Concen: 89.500 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion: 56 Resp: 59923

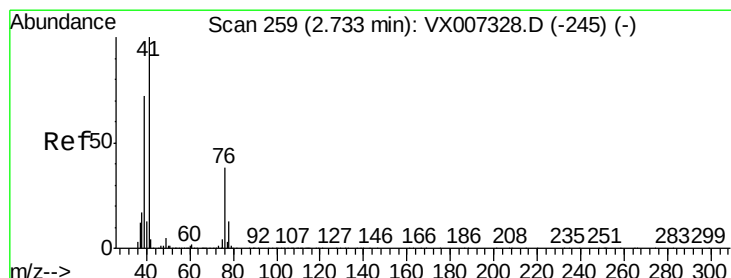
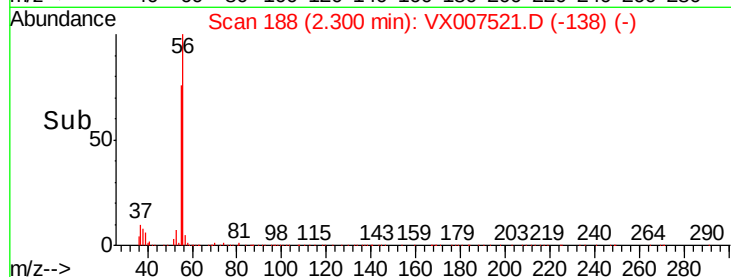
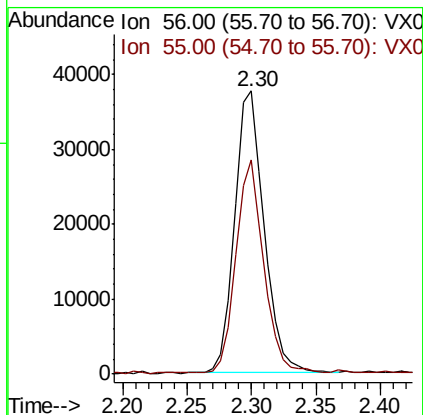
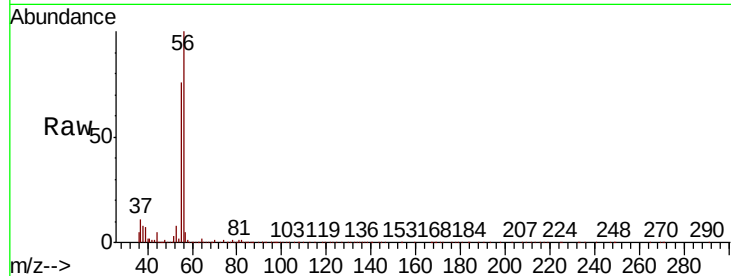
Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 20.316 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

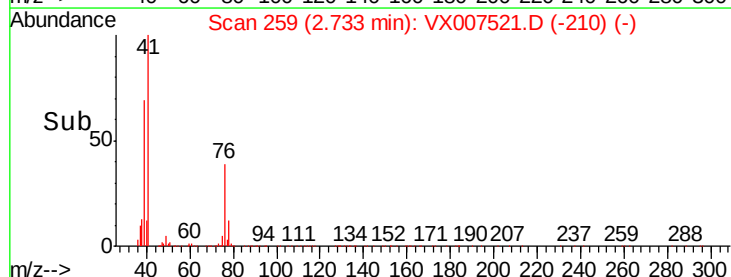
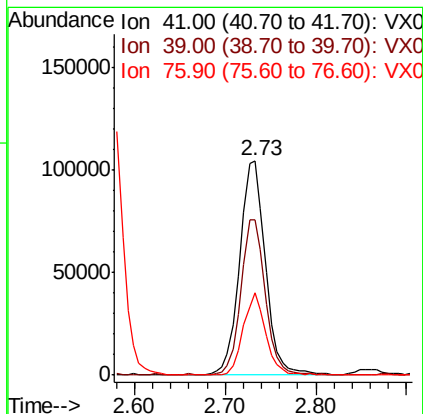
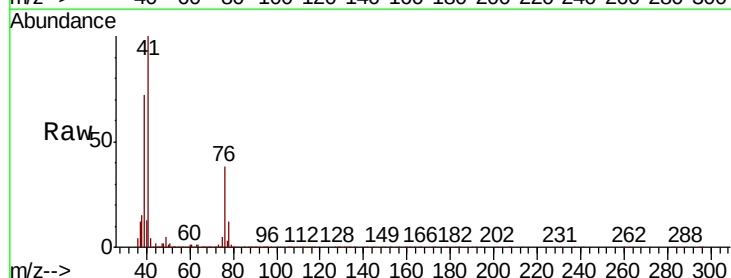
Tgt Ion: 41 Resp: 205437

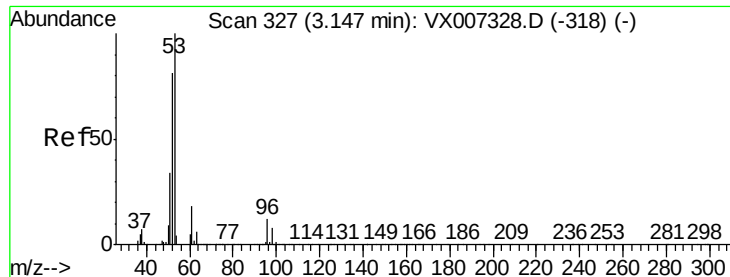
Ion Ratio Lower Upper

41 100

39 68.6 54.1 81.1

76 33.1 27.8 41.8





#15

Acrylonitrile

Concen: 103.527 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

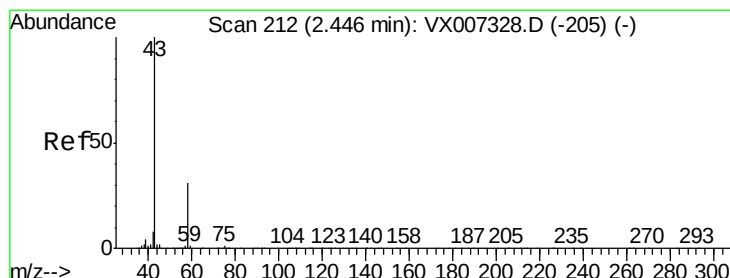
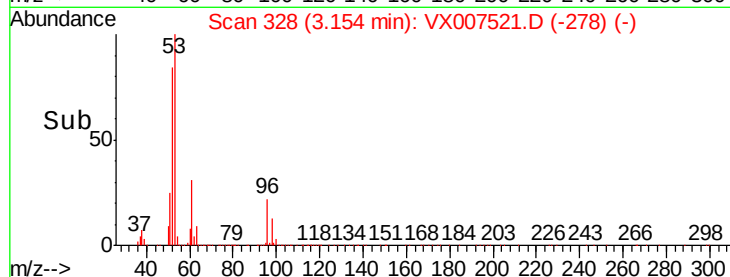
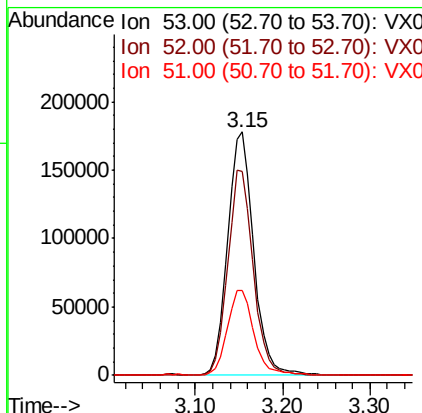
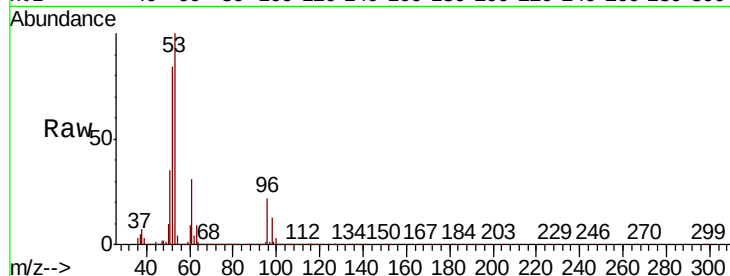
ClientSampleId :

VX0214WBSD01

Tot Ion:	53	Resp:	365662
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.4	99.6
51	35.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 121.497 ug/l

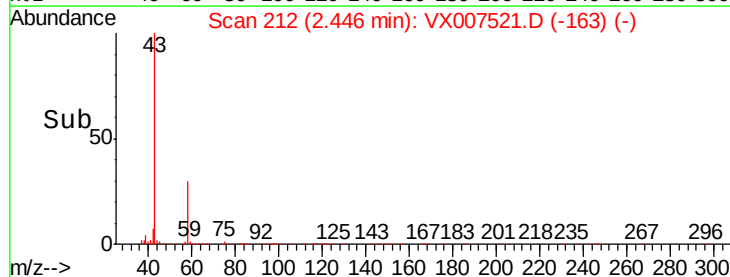
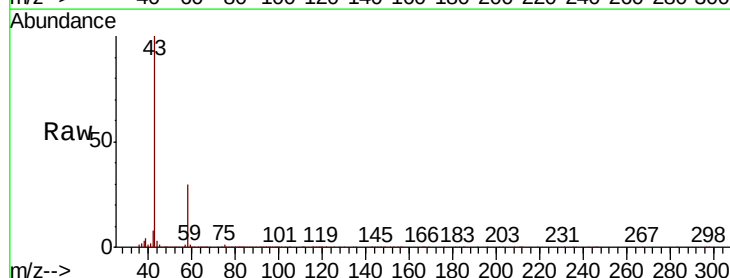
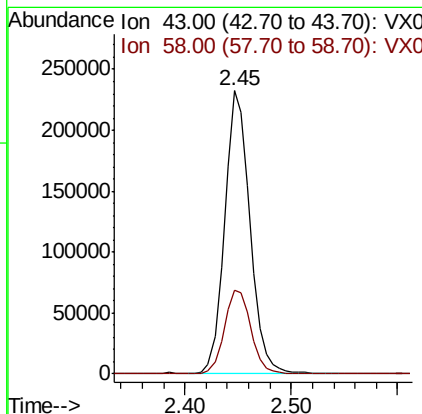
RT: 2.45 min Scan# 212

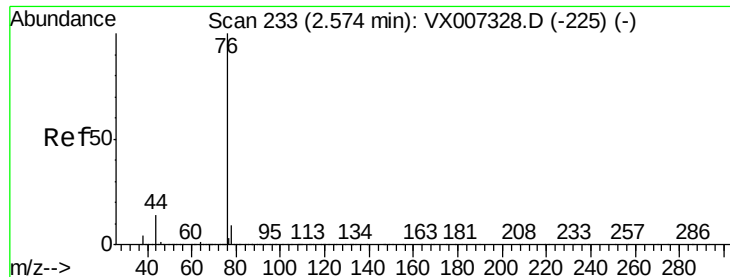
Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	43	Resp:	383969
Ion Ratio		Lower	Upper
43	100		
58	29.6	24.9	37.3





#17

Carbon Disulfide

Concen: 18.338 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tot Ion: 76 Resp: 274831

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7

Instrument :

MSVOA_X

ClientSampleId :

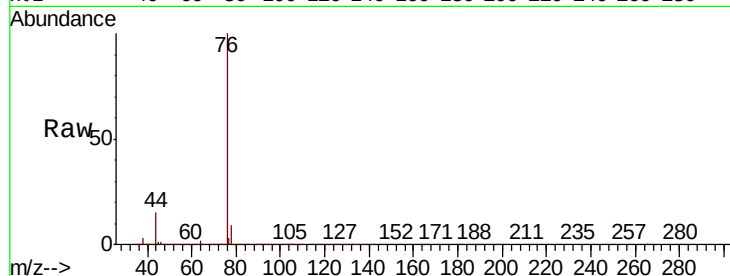
VX0214WBSD01

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

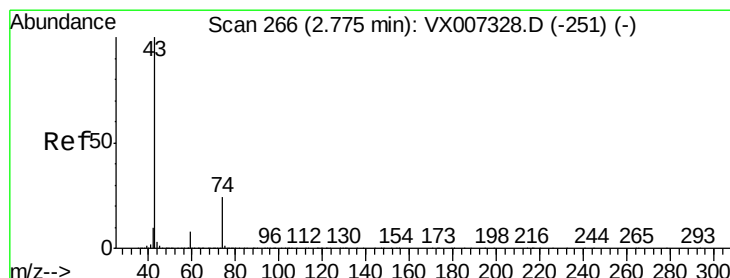
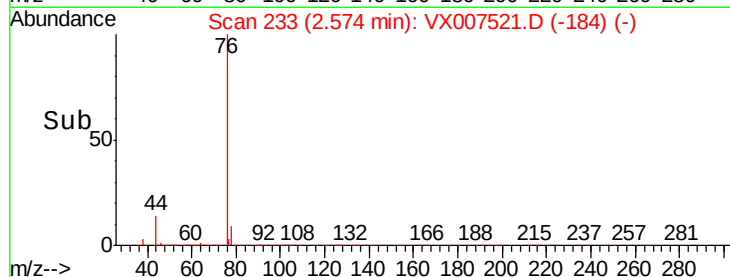
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 24.886 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007521.D

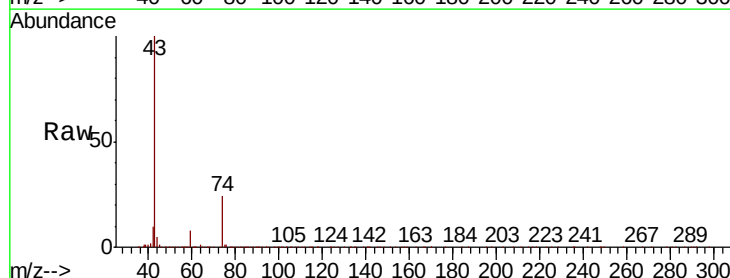
Acq: 13 Feb 2019 15:37

Tgt Ion: 43 Resp: 202437

Ion Ratio Lower Upper

43 100

74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

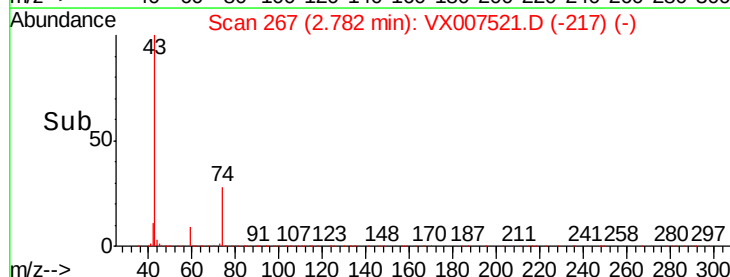
60000

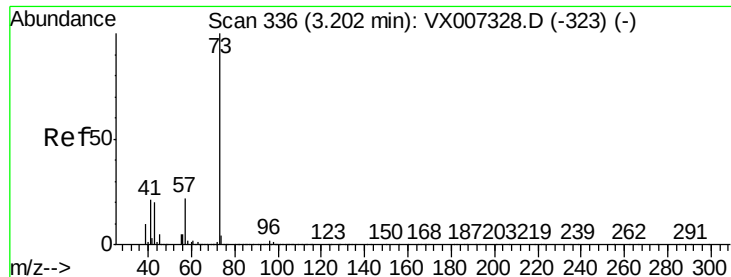
40000

20000

0

Time-->





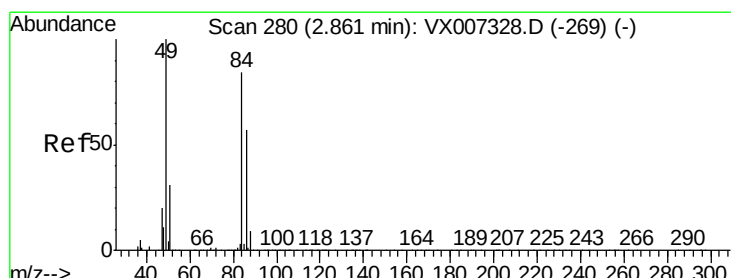
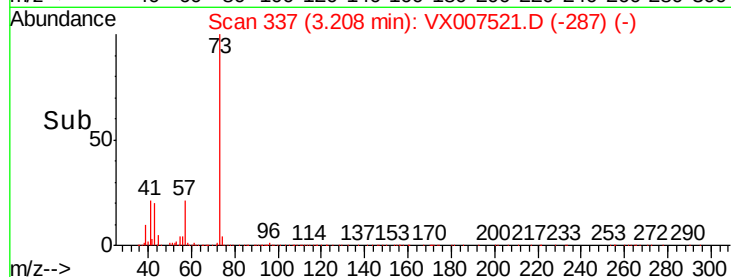
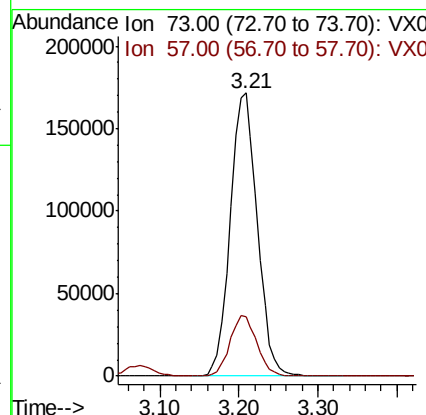
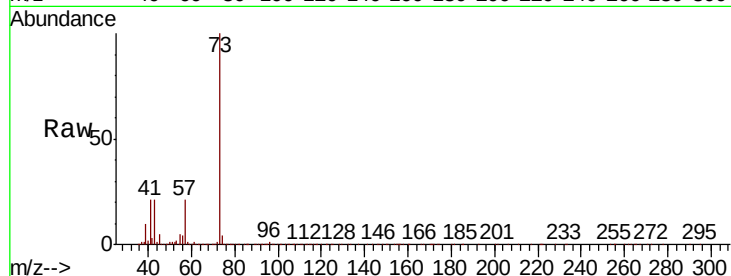
#19
Methyl tert-butyl Ether
Concen: 20.310 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.8	26.8

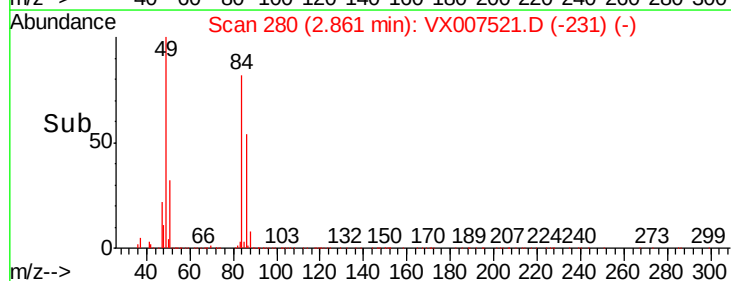
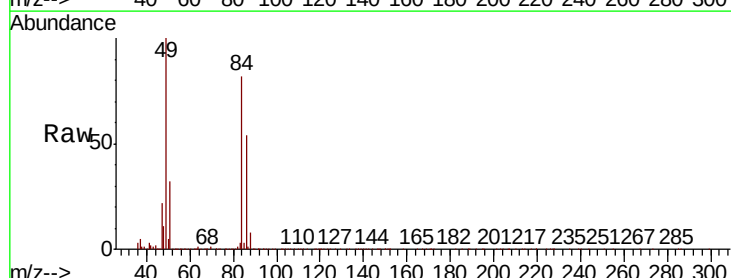
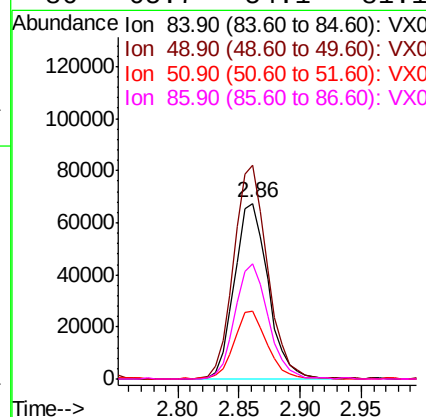
Manual Integrations
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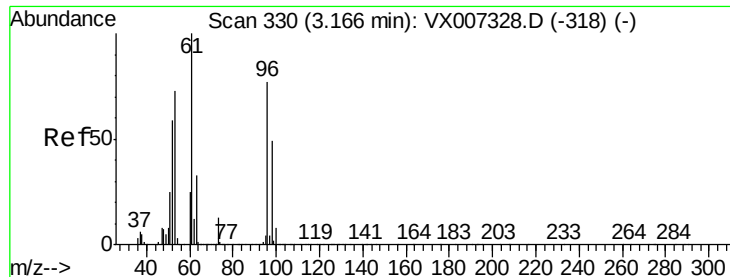
MMDadoda
2/14/2019 10:57:10 AM



#20
Methylene Chloride
Concen: 19.613 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.7	94.8	142.2
51	38.6	29.8	44.8
86	65.7	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 18.385 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

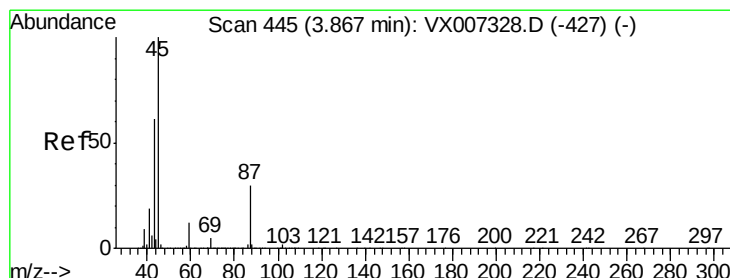
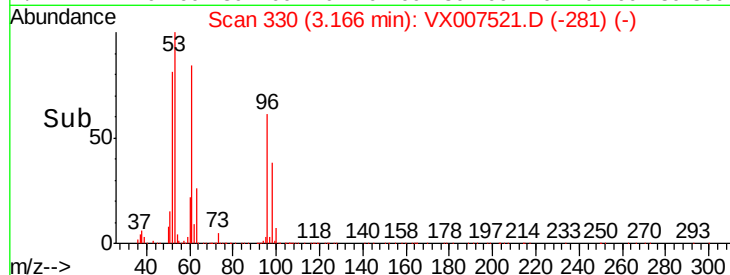
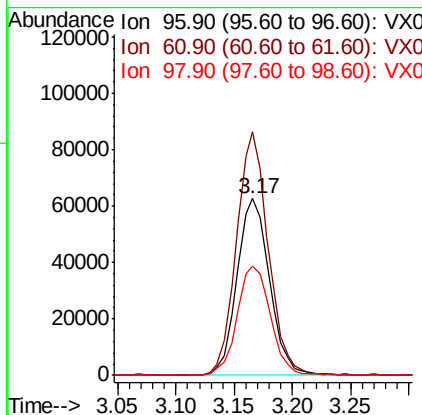
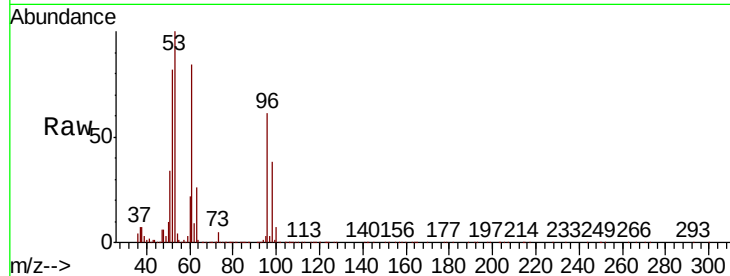
ClientSampleId :

VX0214WBSD01

Tot Ion:	96	Resp:	121544
Ion Ratio	Lower	Upper	
96	100		
61	137.5	104.6	156.8
98	62.1	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.709 ug/l

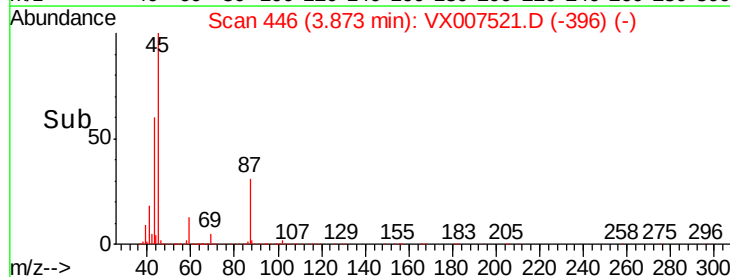
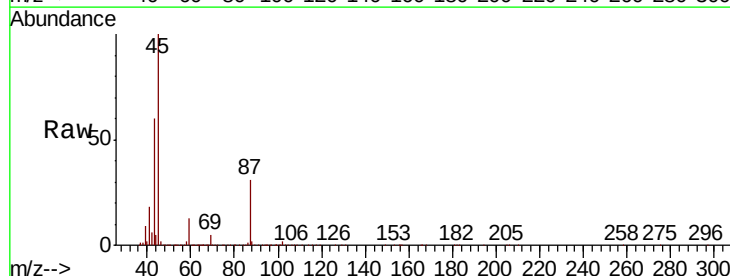
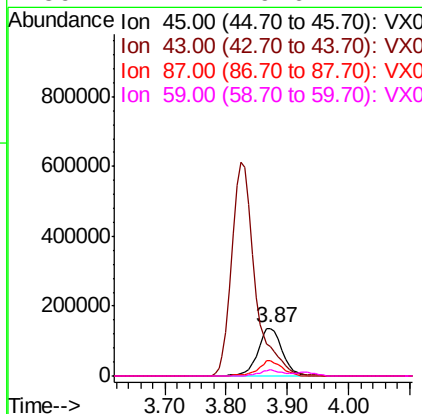
RT: 3.87 min Scan# 446

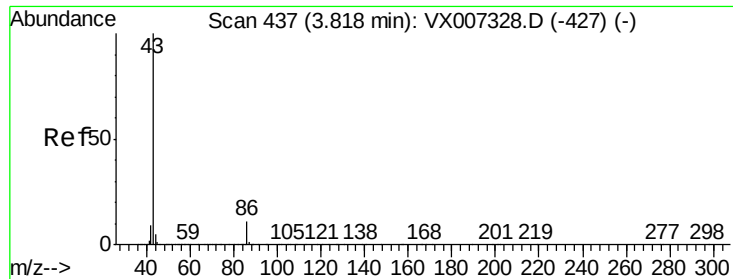
Delta R.T. 0.01 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	45	Resp:	385190
Ion Ratio	Lower	Upper	
45	100		
43	60.2	48.9	73.3
87	30.7	23.9	35.9
59	12.7	9.6	14.4





#23

Vinyl Acetate

Concen: 103.917 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion: 43 Resp: 1603983

Ion Ratio Lower Upper

43 100

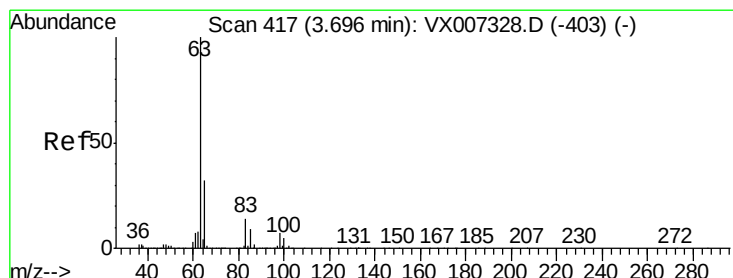
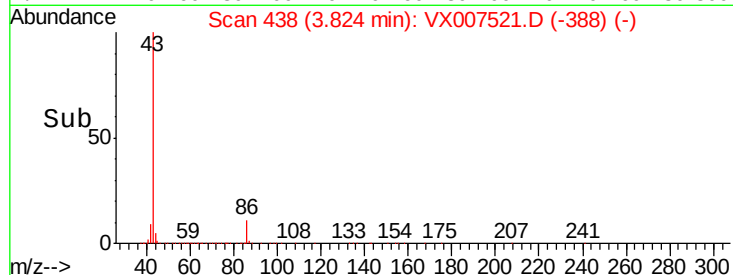
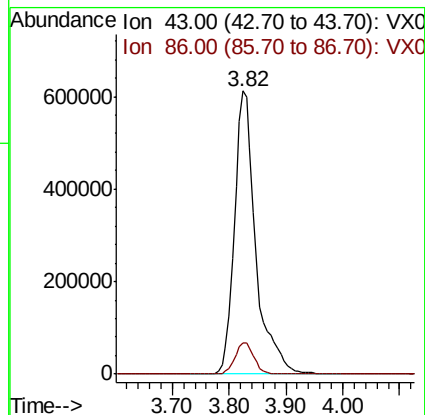
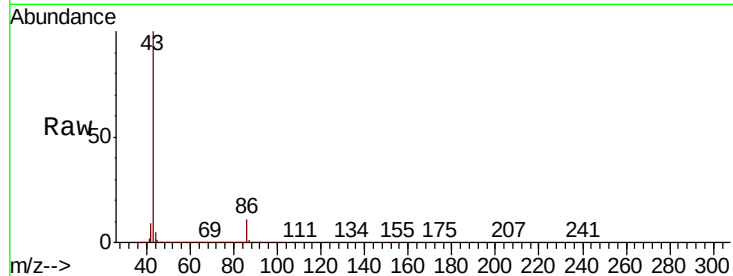
86 11.1 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.401 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

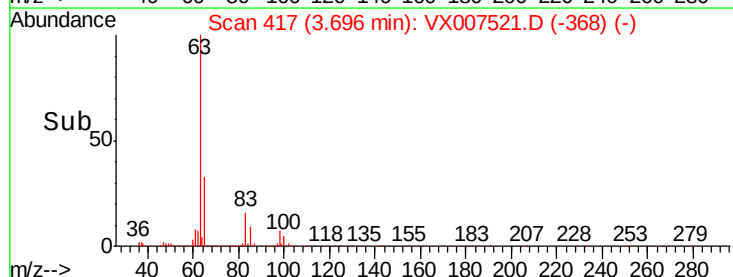
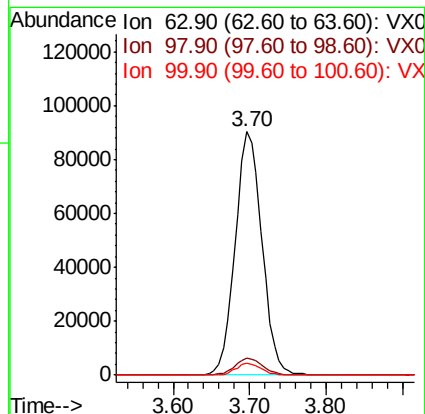
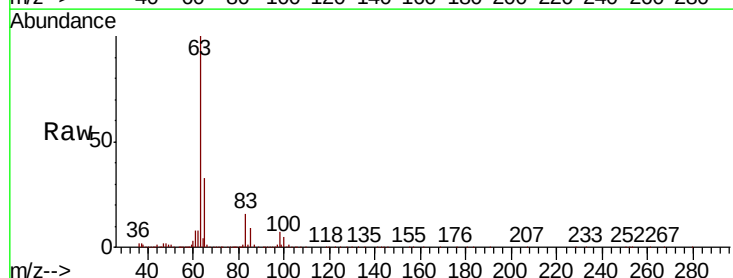
Tgt Ion: 63 Resp: 217922

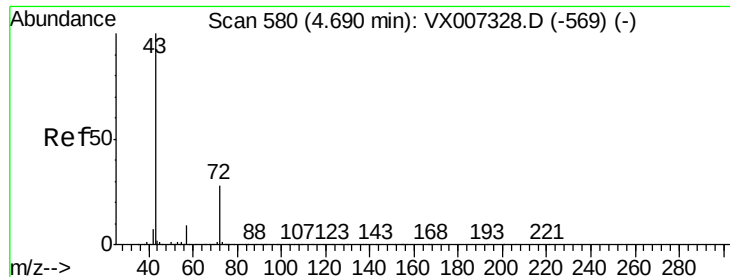
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 113.461 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion: 43 Resp: 510295

Ion Ratio Lower Upper

43 100

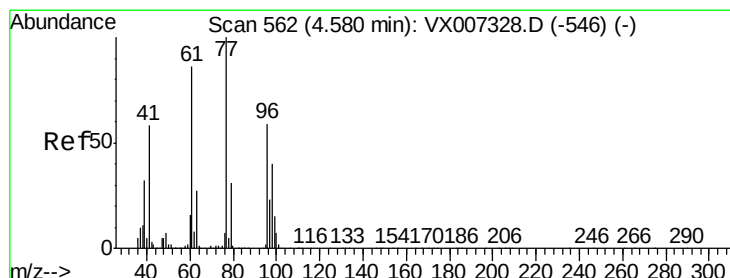
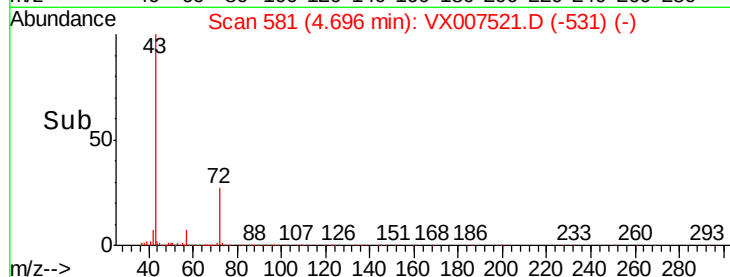
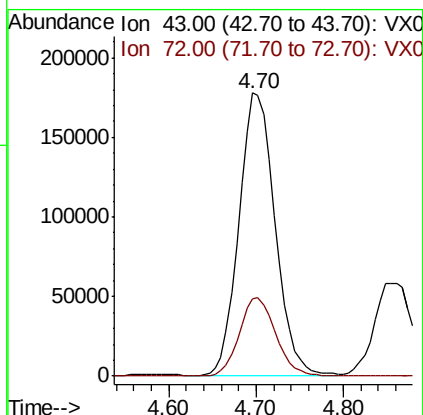
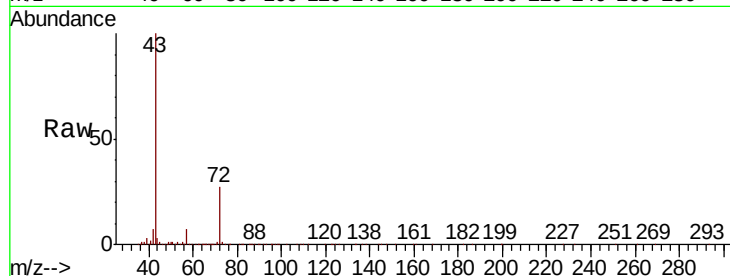
72 27.2 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.840 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007521.D

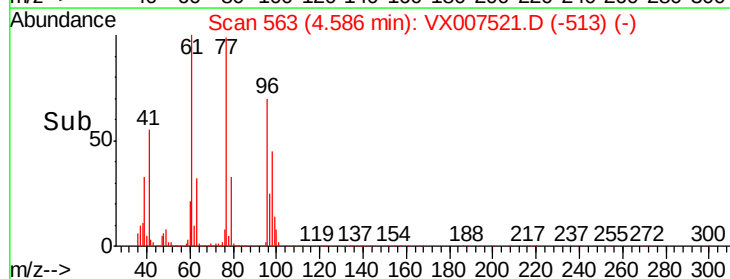
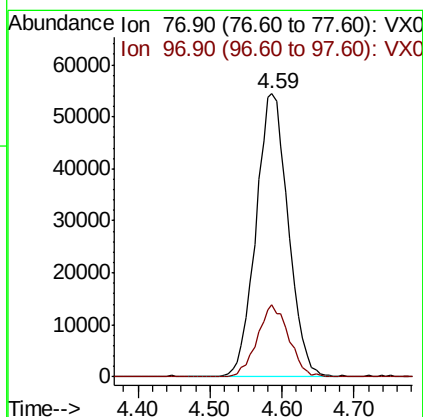
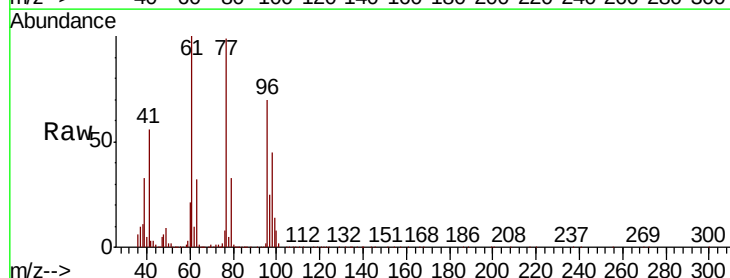
Acq: 13 Feb 2019 15:37

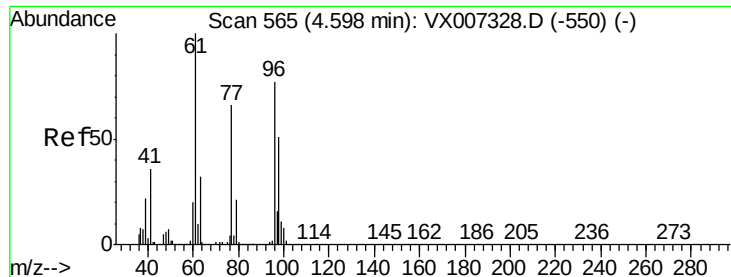
Tgt Ion: 77 Resp: 169528

Ion Ratio Lower Upper

77 100

97 25.0 12.1 36.3





#27

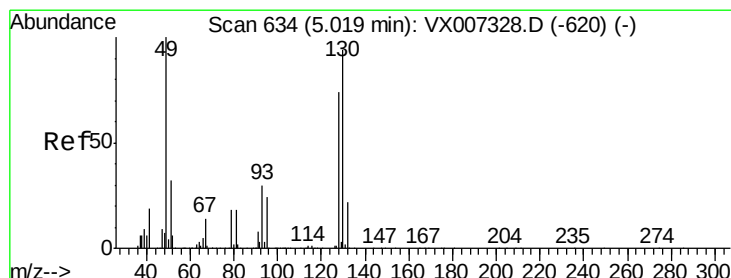
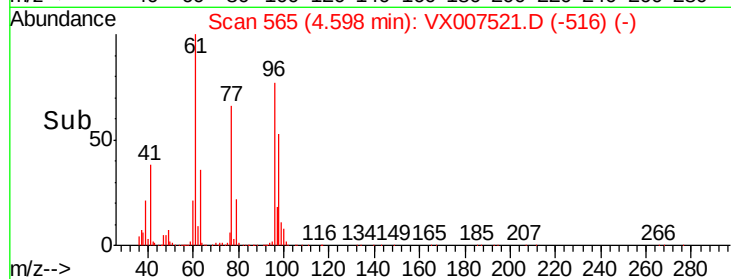
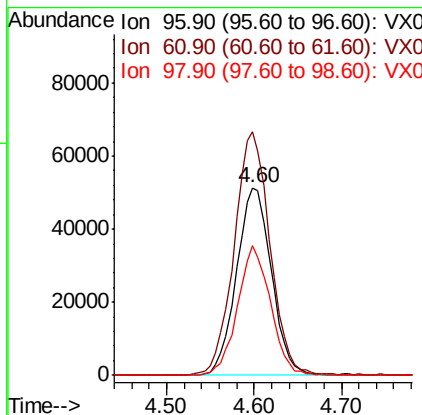
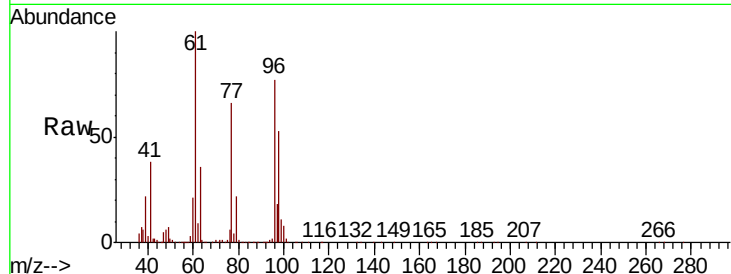
cis-1,2-Dichloroethene
 Concen: 19.589 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.8	0.0	265.6
98	65.4	0.0	131.6

Manual Integrations
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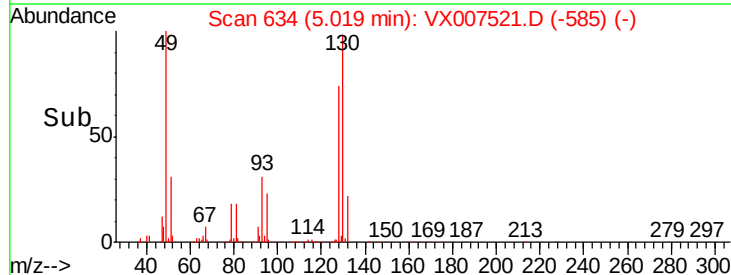
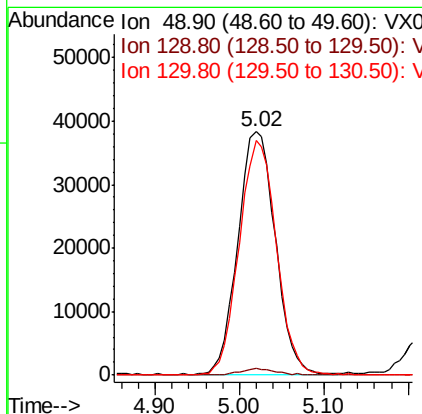
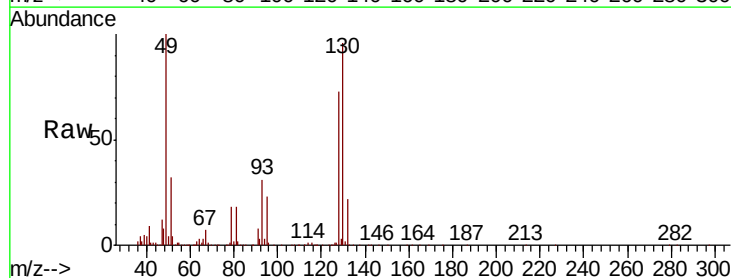
MMDadoda
 2/14/2019 10:57:10 AM

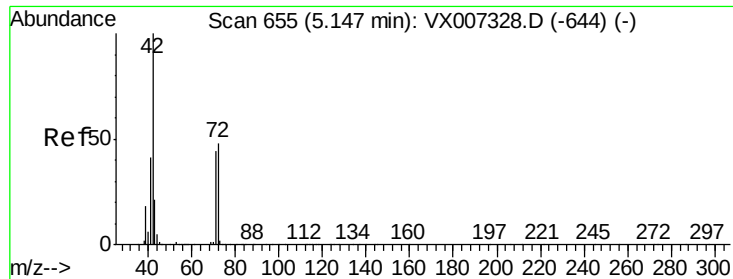


#28

Bromochloromethane
 Concen: 23.458 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	96.0	75.6	113.4





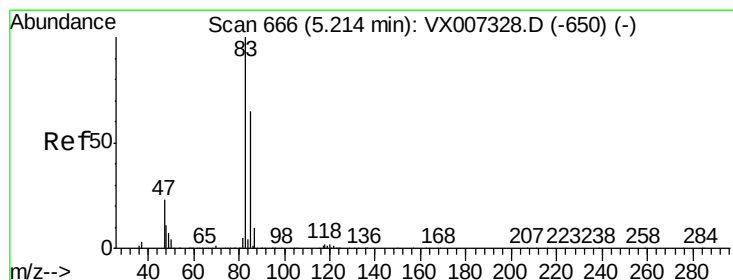
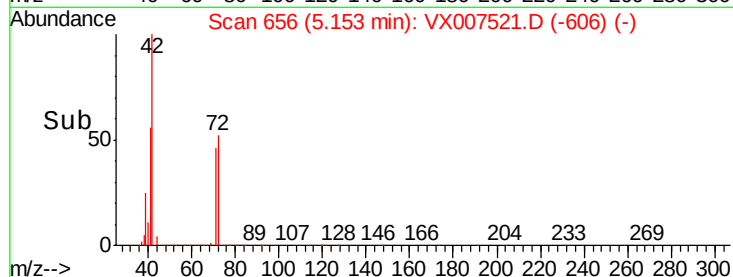
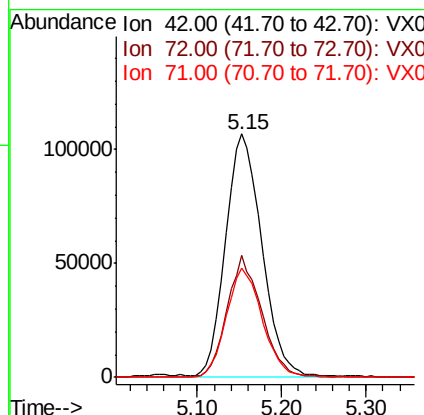
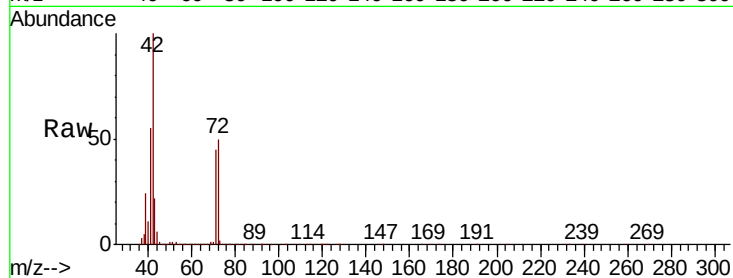
#29
Tetrahydrofuran
Concen: 110.316 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	37.6	56.4
71	44.8	34.6	51.8

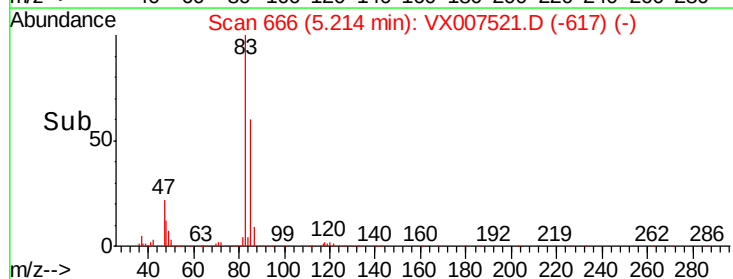
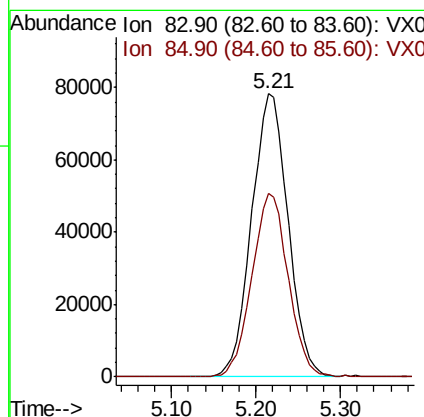
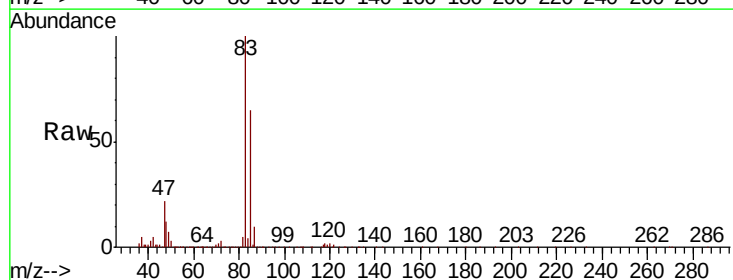
Manual Integrations
APPROVED

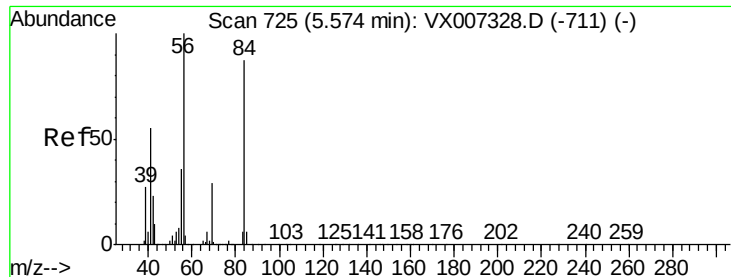
MMDadoda
2/14/2019 10:57:10 AM



#30
Chloroform
Concen: 20.725 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4





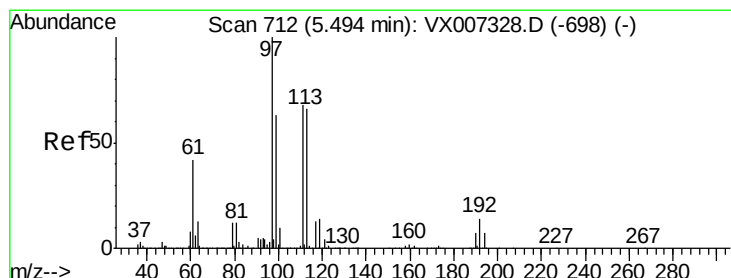
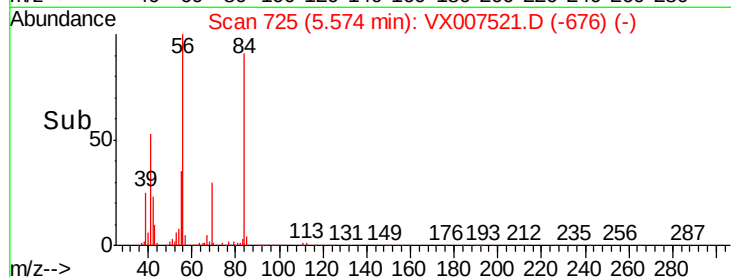
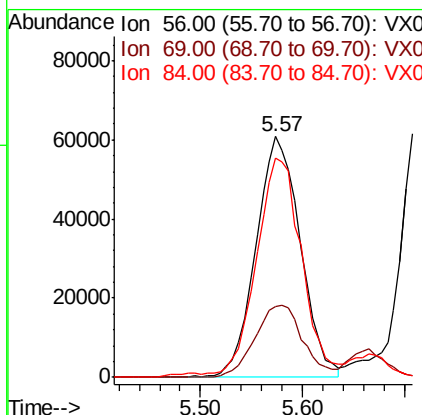
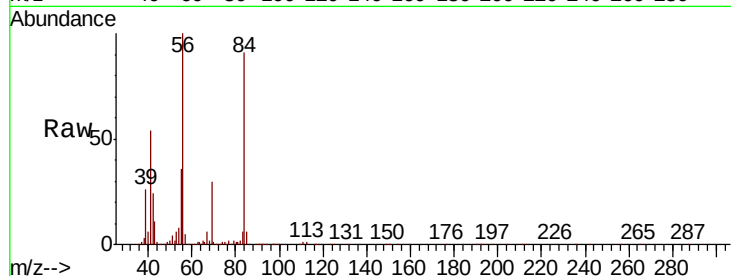
#31
Cyclohexane
Concen: 19.056 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.0	34.6
84	89.1	69.8	104.6

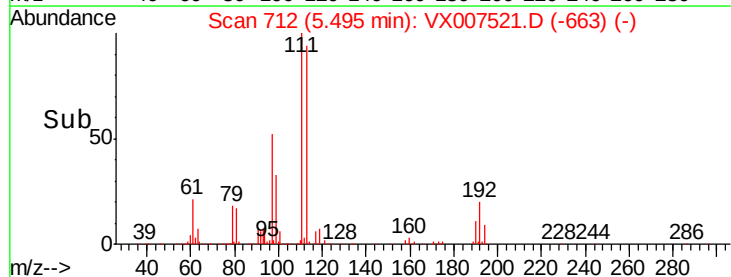
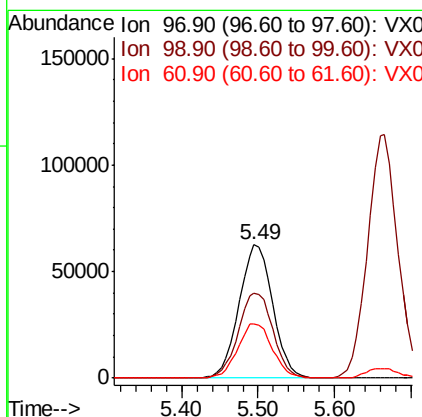
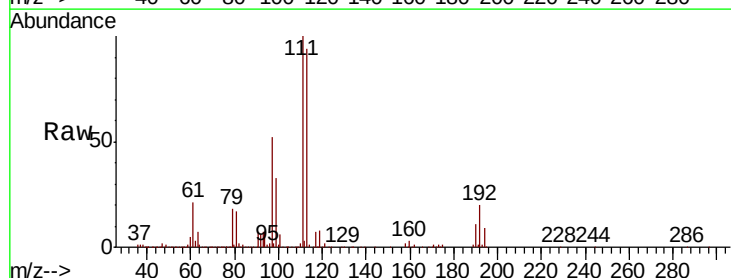
Manual Integrations
APPROVED

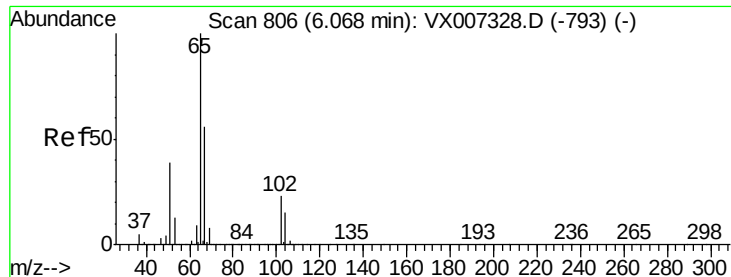
MMDadoda
2/14/2019 10:57:10 AM



#32
1,1,1-Trichloroethane
Concen: 20.383 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.2	78.2
61	41.9	32.7	49.1





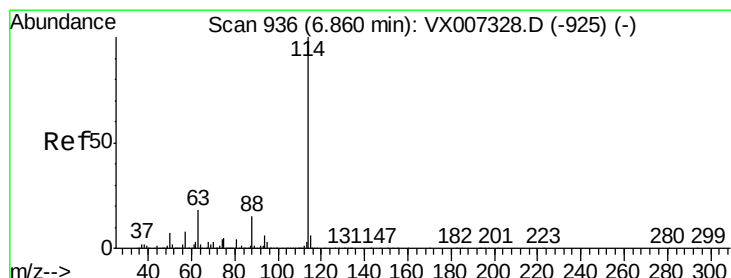
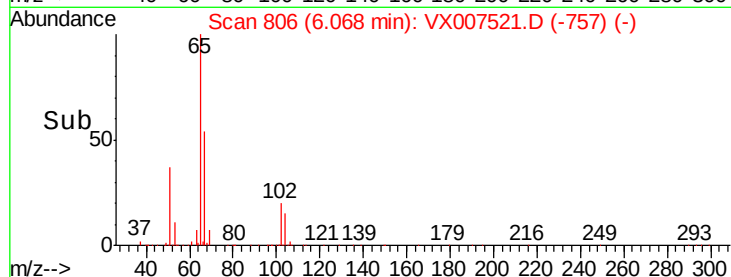
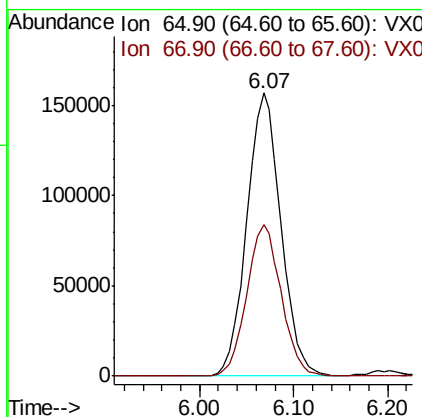
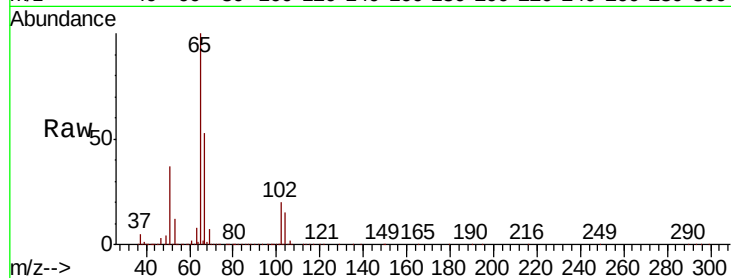
#33
 1,2-Dichloroethane-d4
 Concen: 57.767 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	108.8

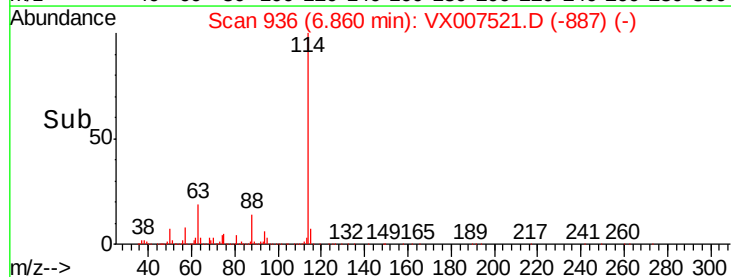
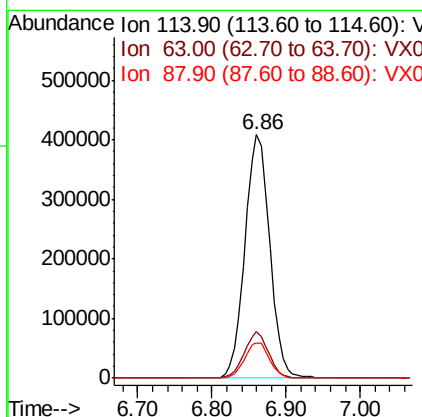
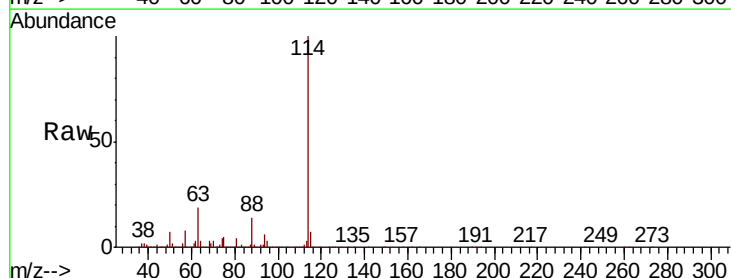
Manual Integrations
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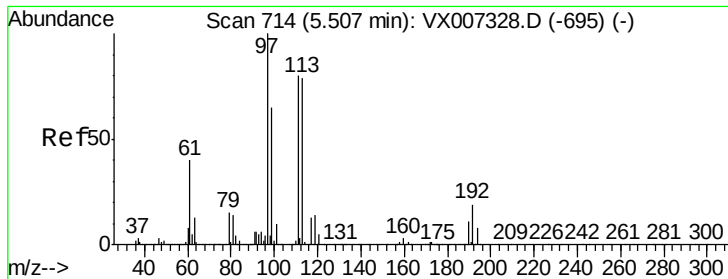
MMDadoda
 2/14/2019 10:57:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	35.6
88	14.4	0.0	29.6





#35

Dibromofluoromethane

Concen: 58.497 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

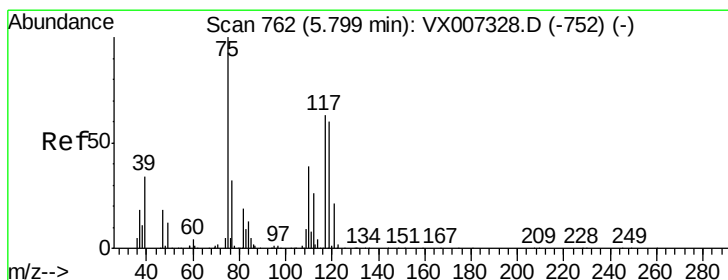
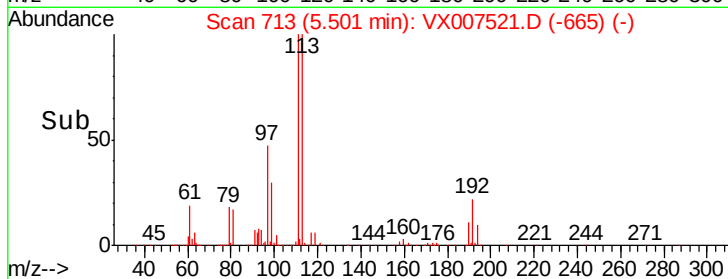
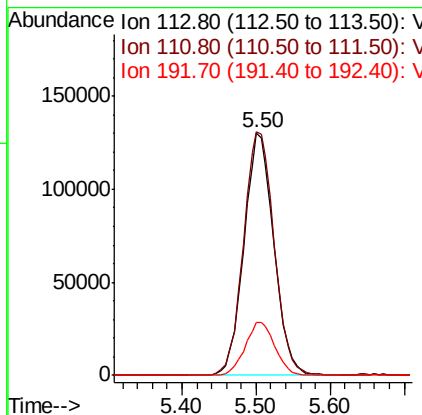
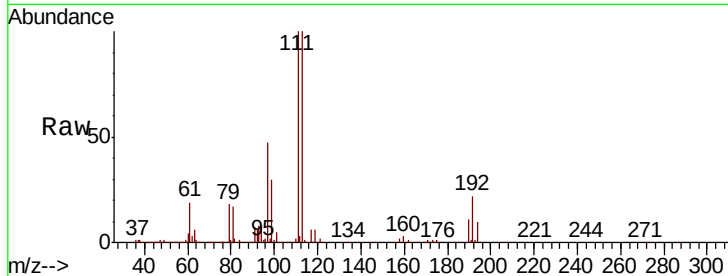
ClientSampleId :

VX0214WBSD01

Tot Ion:	113	Resp:	364915
Ion Ratio		Lower	Upper
113	100		
111	103.2	81.8	122.8
192	22.0	18.5	27.7

Manual Integrations
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MMDadoda
2/14/2019 10:57:10 AM



#36

1,1-Dichloropropene

Concen: 18.827 ug/l

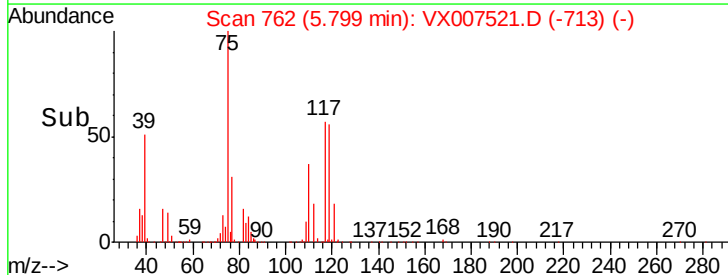
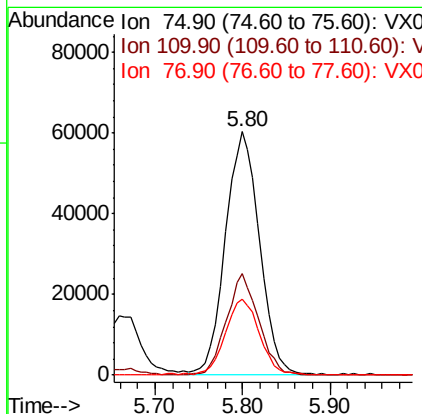
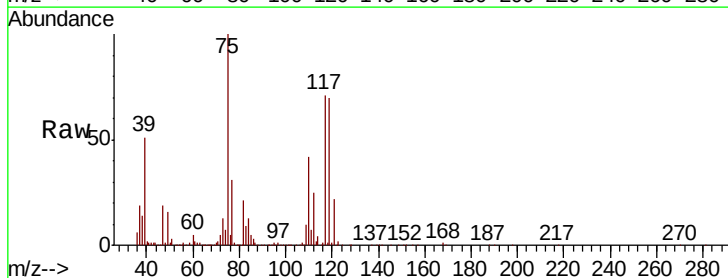
RT: 5.80 min Scan# 762

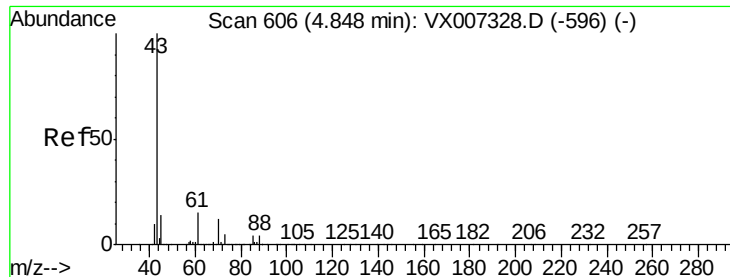
Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	75	Resp:	161954
Ion Ratio		Lower	Upper
75	100		
110	39.9	20.0	59.9
77	31.4	24.7	37.1





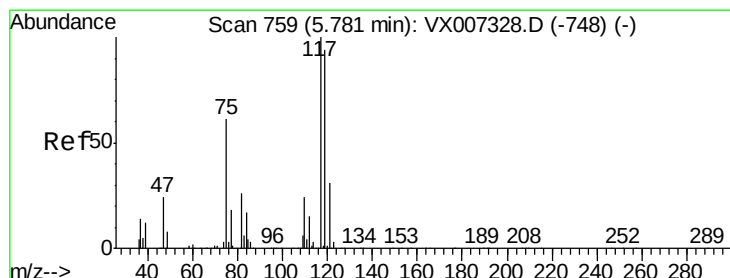
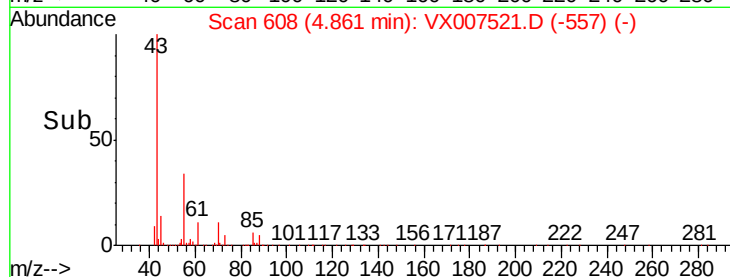
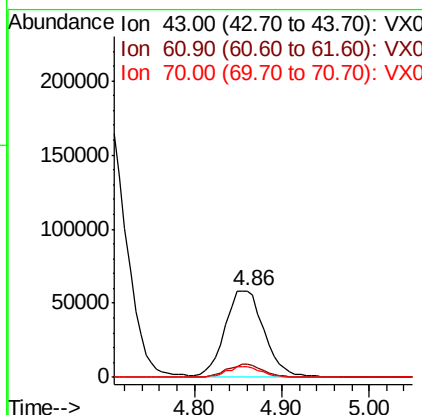
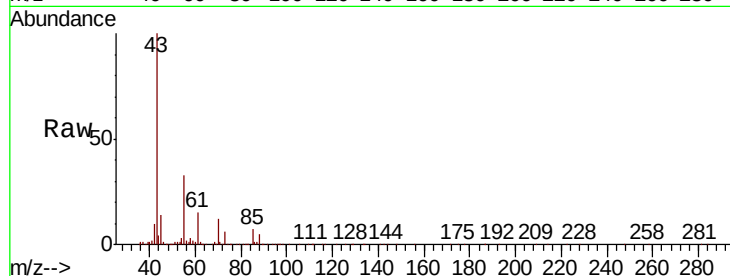
#37
Ethyl Acetate
Concen: 20.679 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	43	Resp	179818
Ion Ratio	Lower	Upper	
43	100		
61	15.1	11.3	16.9
70	11.0	8.6	13.0

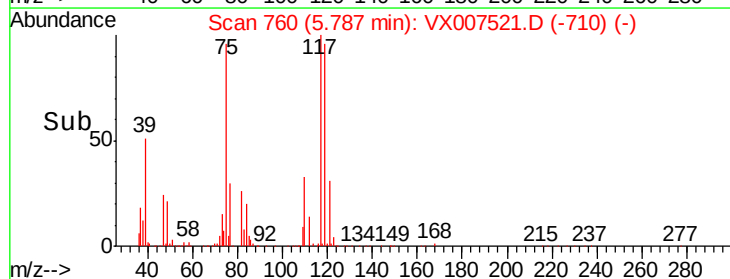
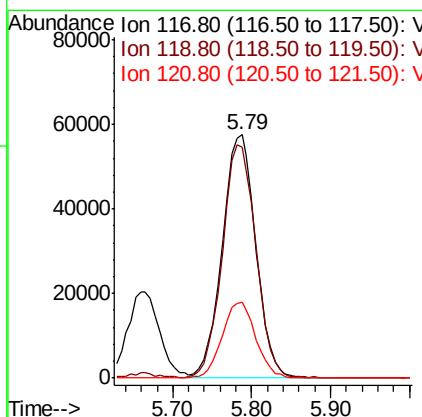
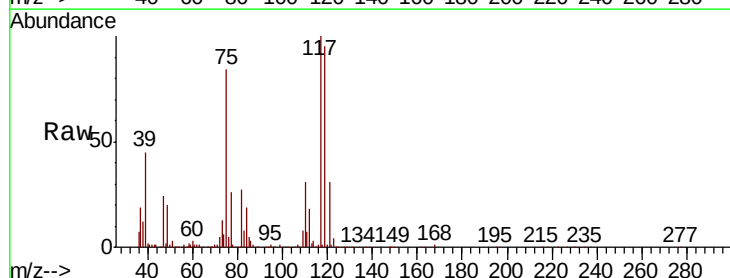
Manual Integrations
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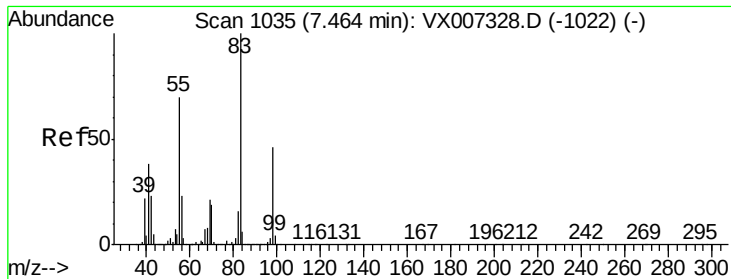
MMDadoda
2/14/2019 10:57:10 AM



#38
Carbon Tetrachloride
Concen: 20.402 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	117	Resp	170260
Ion Ratio	Lower	Upper	
117	100		
119	94.4	75.3	112.9
121	30.9	25.0	37.4





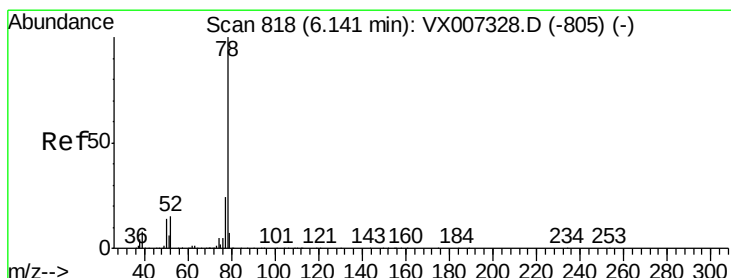
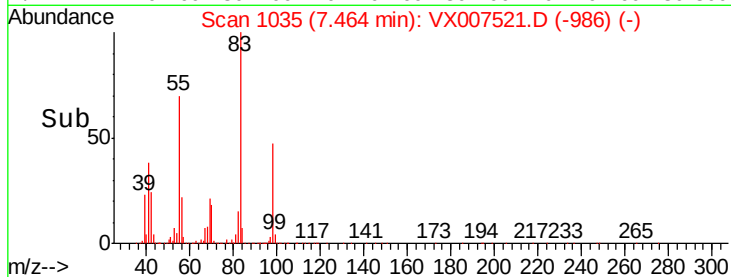
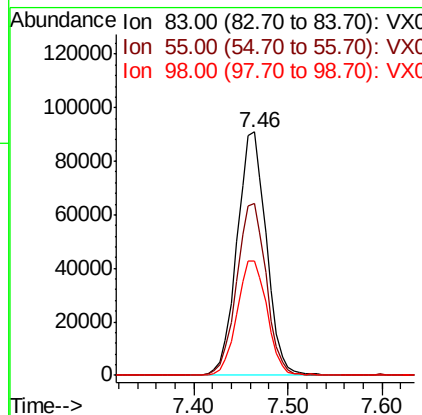
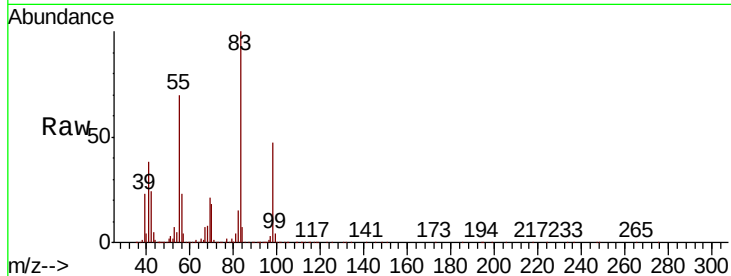
#39
Methylvlcyclohexane
Concen: 18.941 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.2	84.2
98	47.1	36.8	55.2

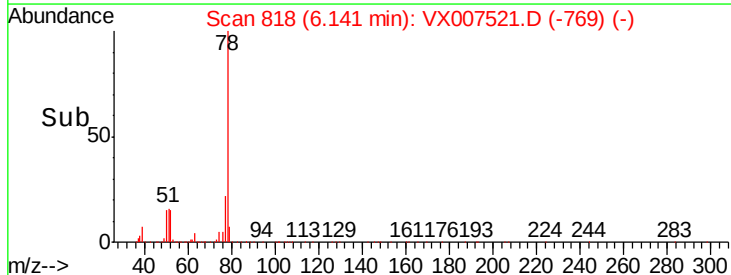
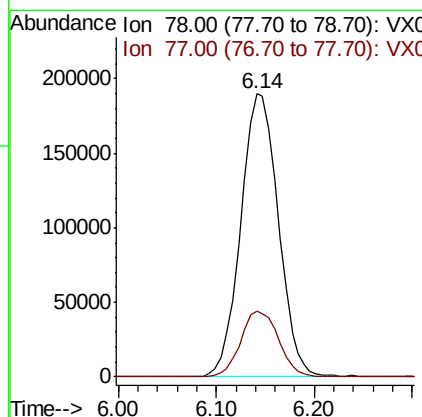
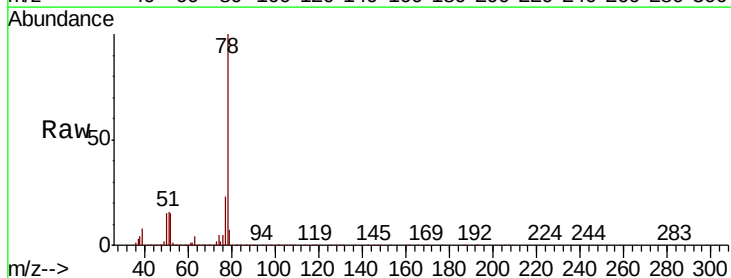
Manual Integrations
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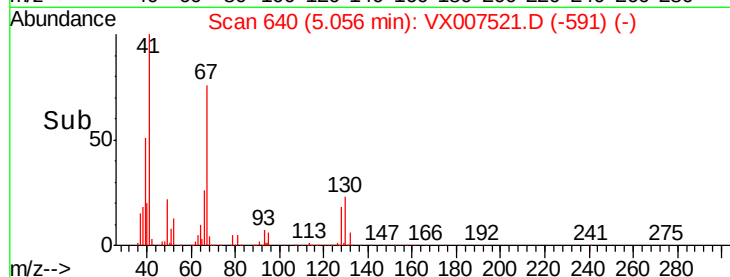
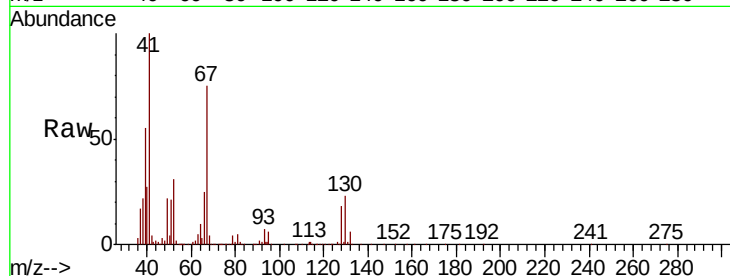
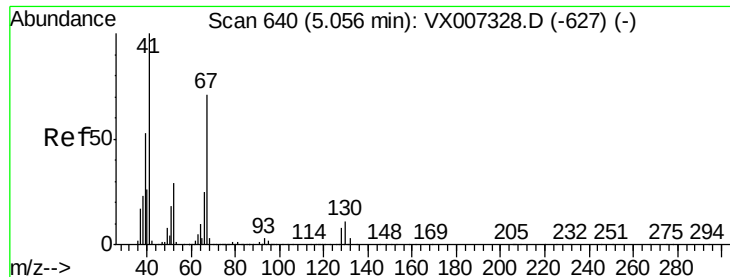
MMDadoda
2/14/2019 10:57:10 AM



#40
Benzene
Concen: 19.931 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

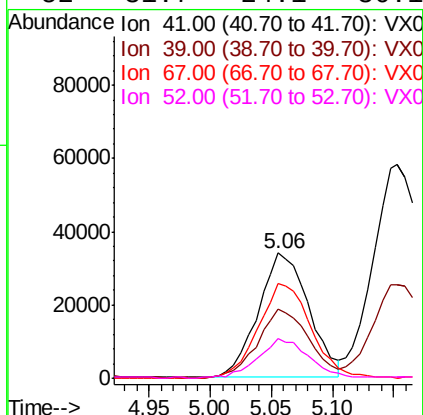
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9





#41
Methacrylonitrile
Concen: 20.971 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

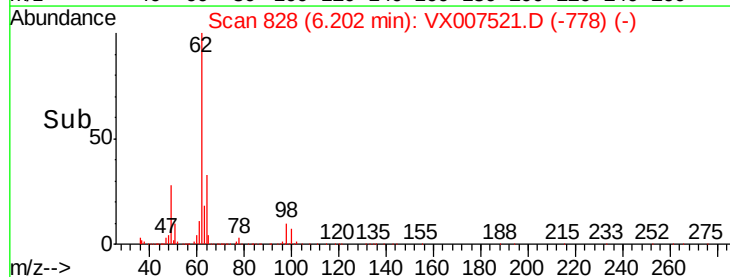
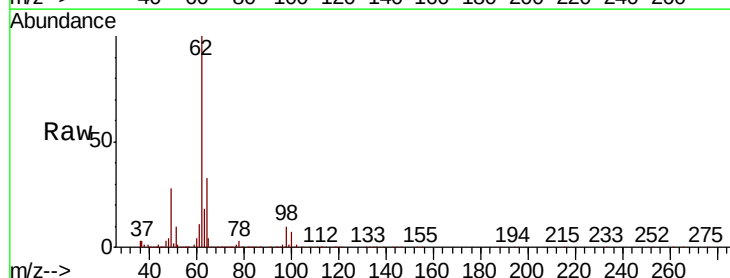
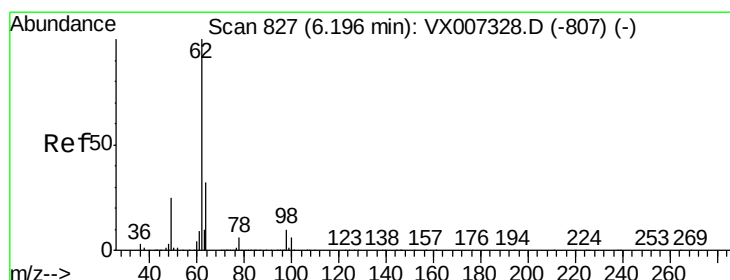
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	44.5	66.7	
67	78.8	60.4	90.6	
52	31.7	24.1	36.1	



Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

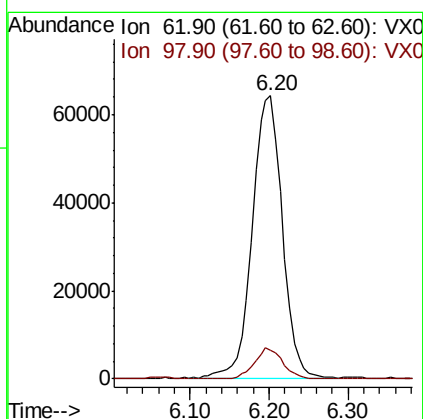
Manual Integrations
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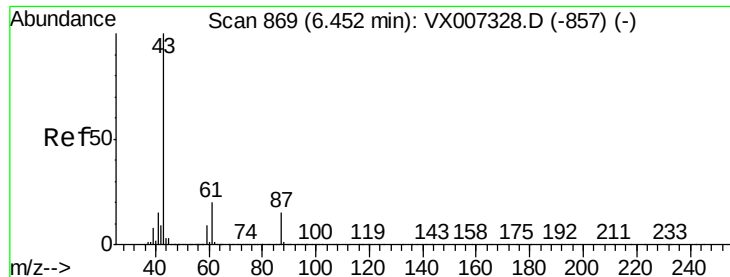
MMDadoda
2/14/2019 10:57:10 AM



#42
1,2-Dichloroethane
Concen: 19.305 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	19.0	





#43

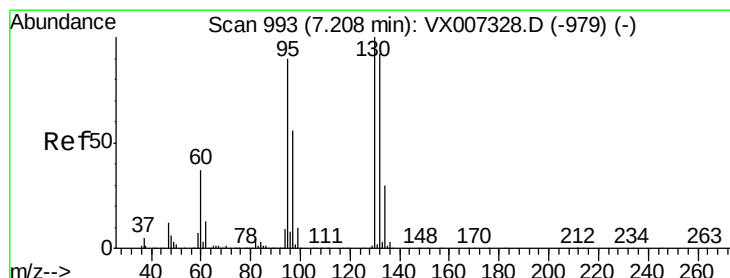
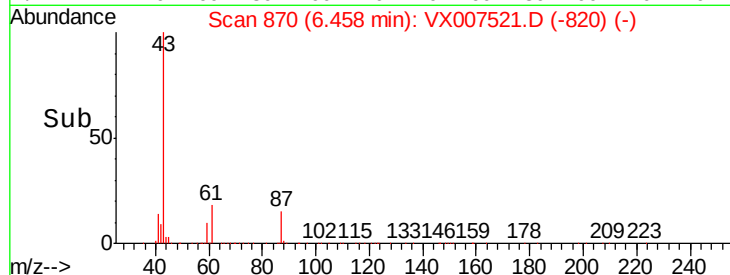
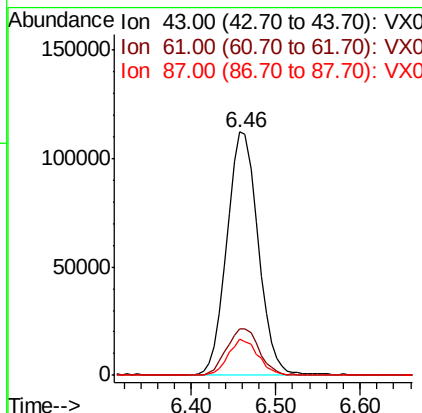
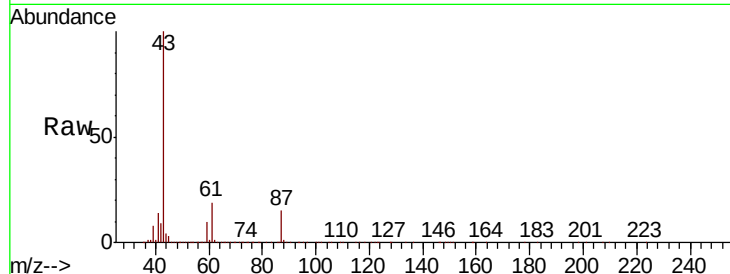
Isopropyl Acetate
 Concen: 20.925 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	14.4	11.5	17.3

Manual Integrations
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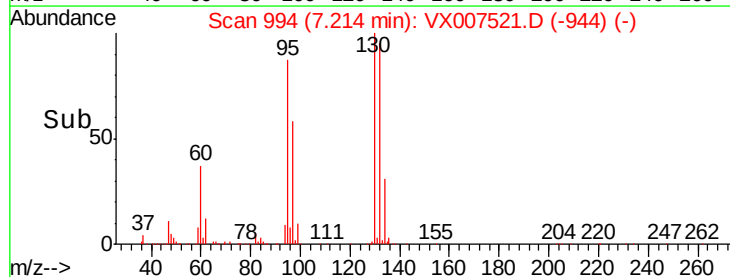
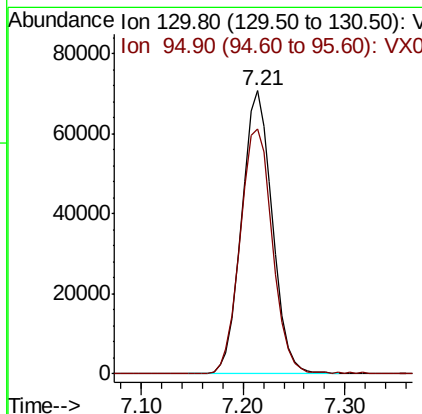
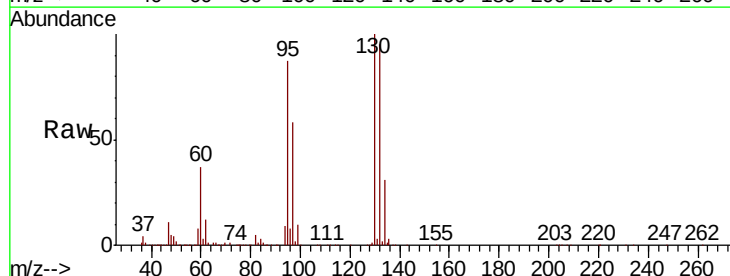
MMDadoda
 2/14/2019 10:57:10 AM

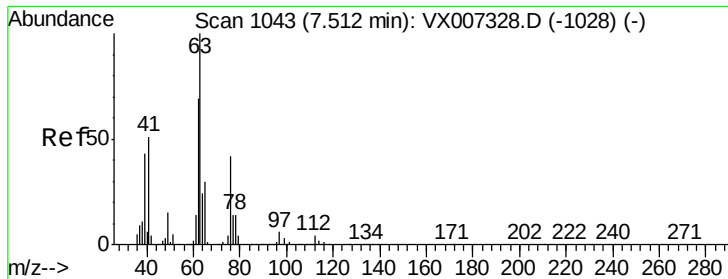


#44

Trichloroethene
 Concen: 19.399 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.6	0.0	180.0





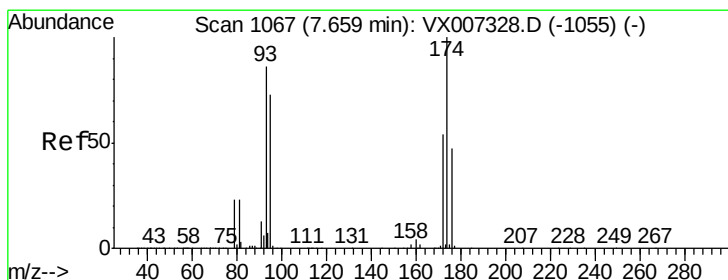
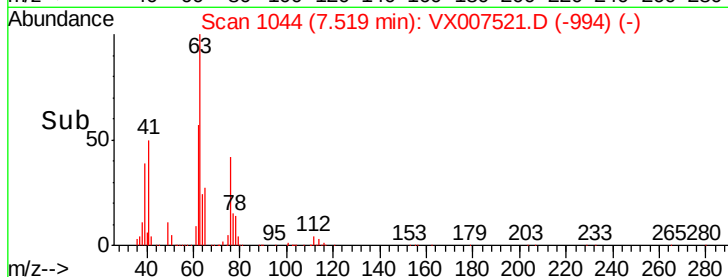
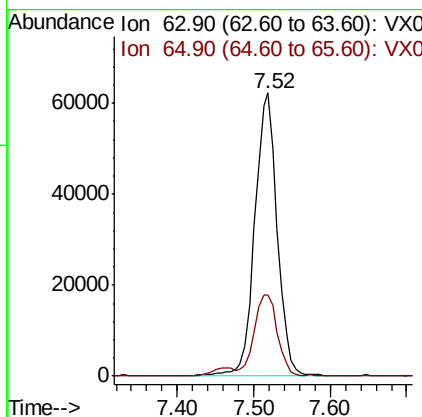
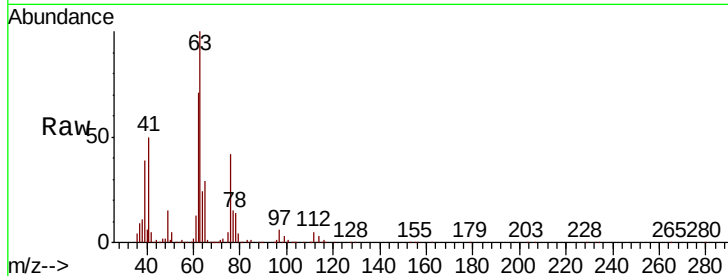
#45
 1,2-Dichloropropane
 Concen: 20.157 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.2	36.2

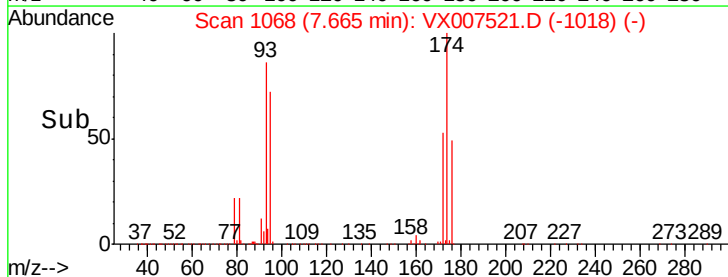
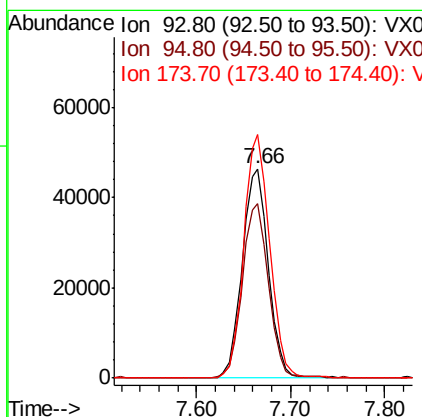
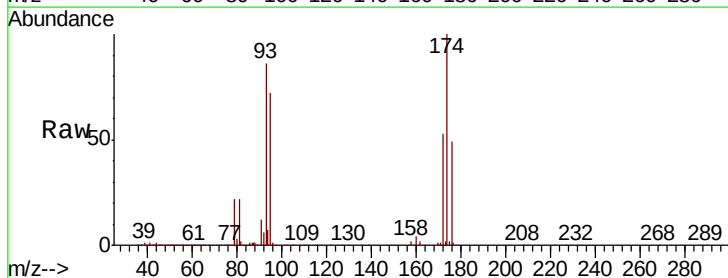
Manual Integrations
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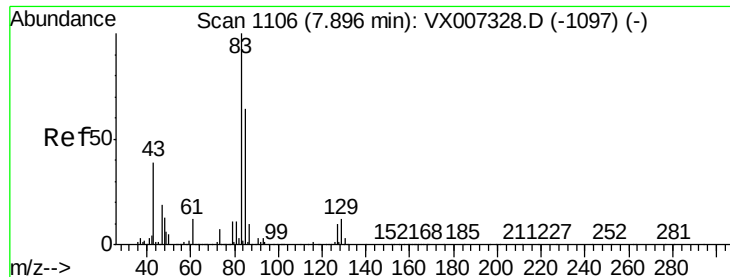
MMDadoda
 2/14/2019 10:57:10 AM



#46
 Dibromomethane
 Concen: 19.516 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.6	101.4
174	115.7	94.2	141.4





#47

Bromodichloromethane

Concen: 20.451 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

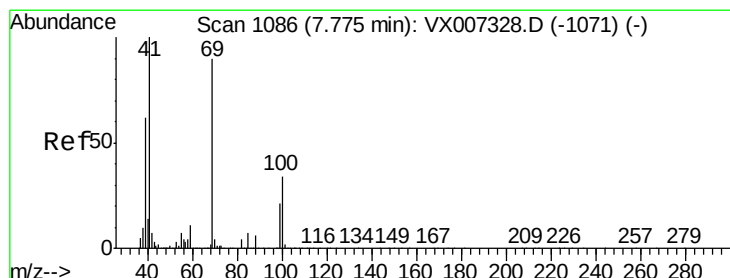
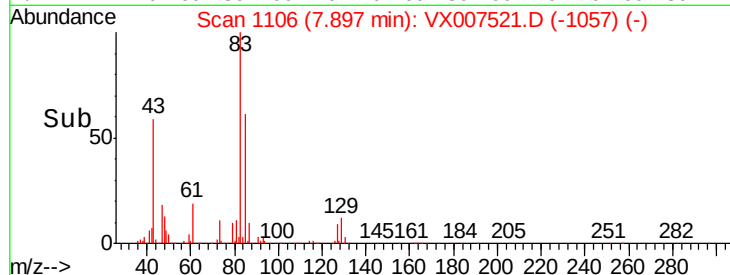
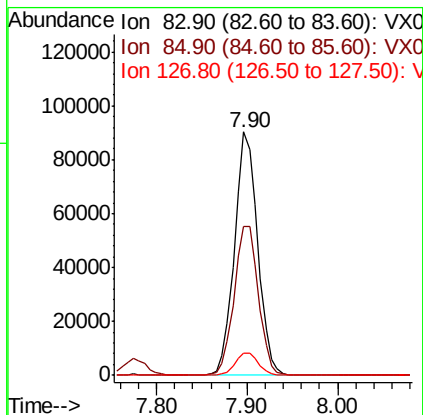
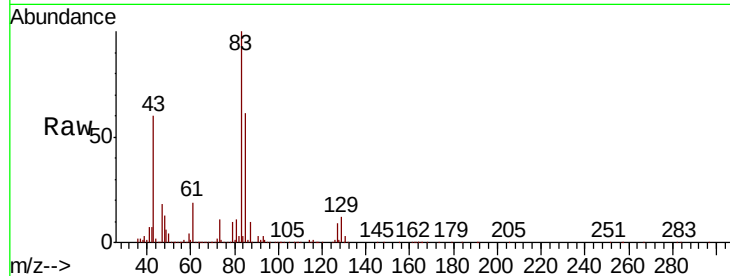
ClientSampleId :

VX0214WBSD01

Tot Ion:	83	Resp:	159937
Ion Ratio	Lower	Upper	
83	100		
85	61.0	51.4	77.0
127	8.9	8.1	12.1

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#48

Methyl methacrylate

Concen: 21.450 ug/l

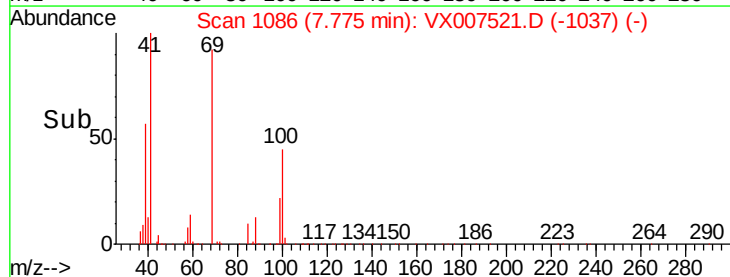
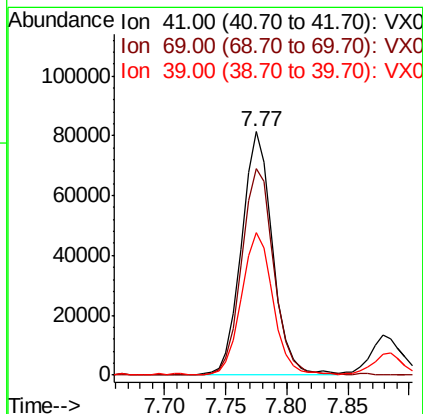
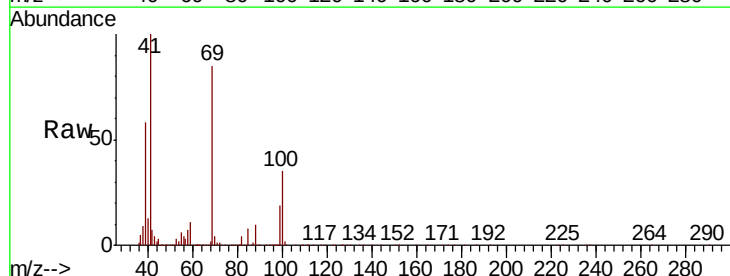
RT: 7.77 min Scan# 1086

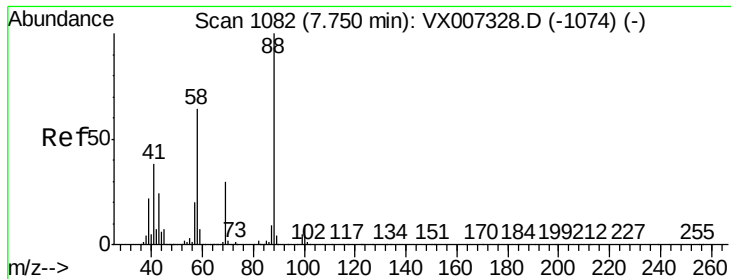
Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	41	Resp:	144007
Ion Ratio	Lower	Upper	
41	100		
69	87.3	70.2	105.4
39	58.5	47.4	71.0





#49

1,4-Dioxane

Concen: 434.913 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

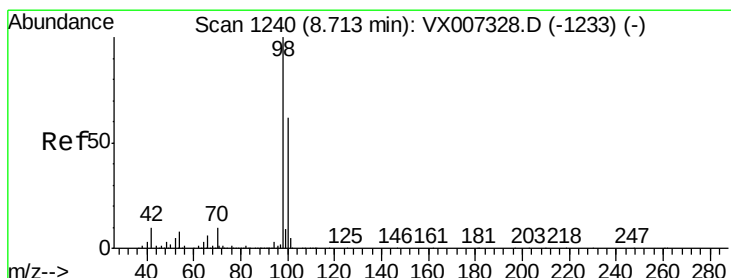
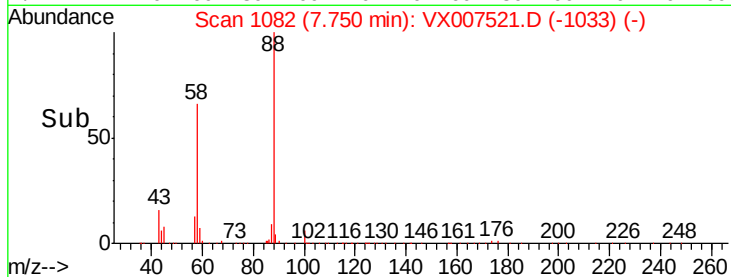
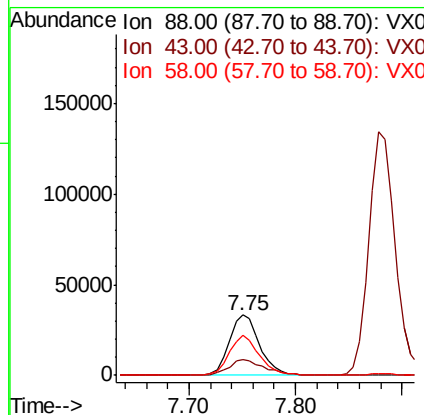
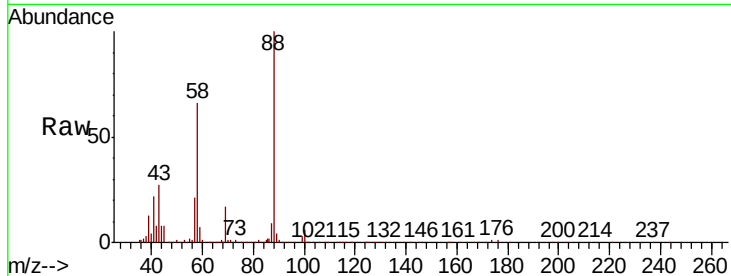
ClientSampleId :

VX0214WBSD01

Tot Ion:	88	Resp:	65805
Ion	Ratio	Lower	Upper
88	100		
43	29.6	24.2	36.4
58	66.9	53.0	79.4

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#50

Toluene-d8

Concen: 55.719 ug/l

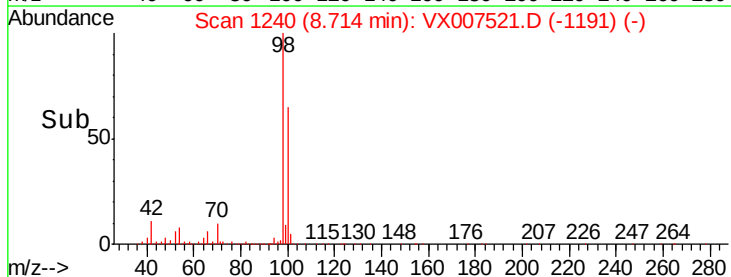
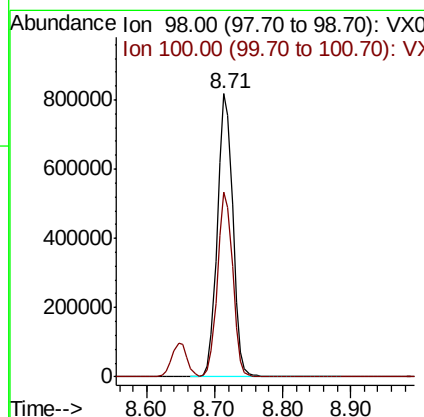
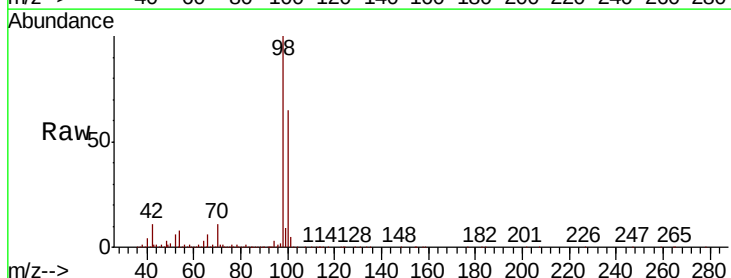
RT: 8.71 min Scan# 1240

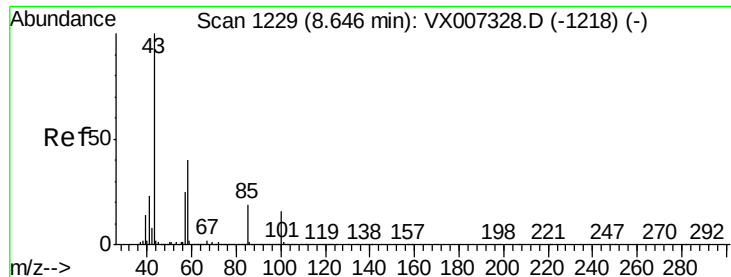
Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	98	Resp:	1289601
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





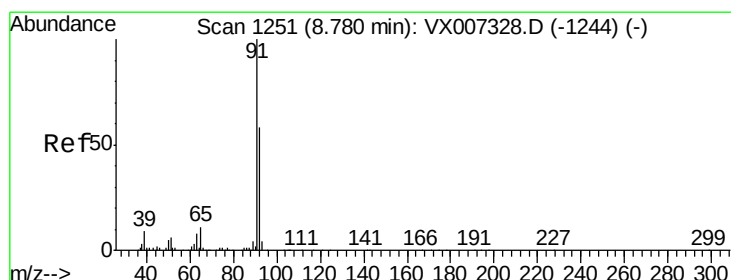
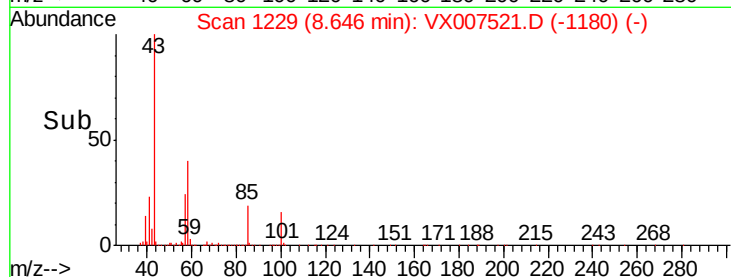
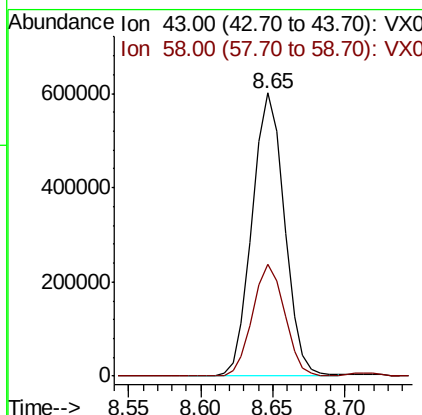
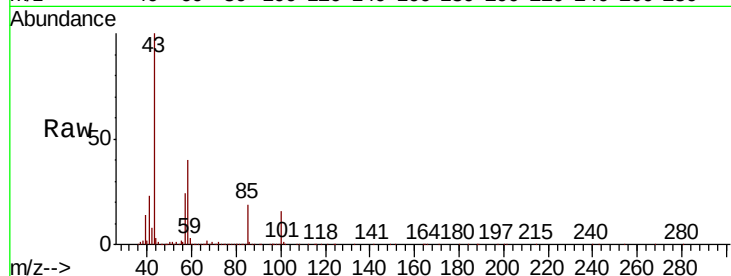
#51
4-Methyl-2-Pentanone
Concen: 105.441 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampled :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.2	46.8

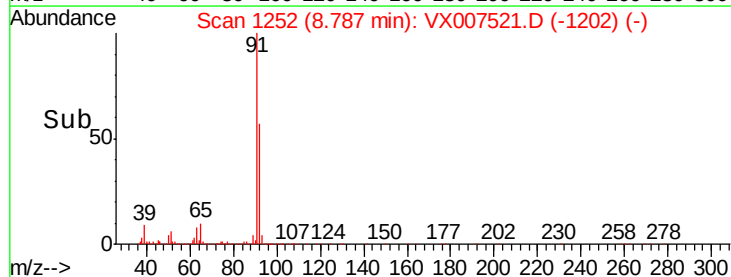
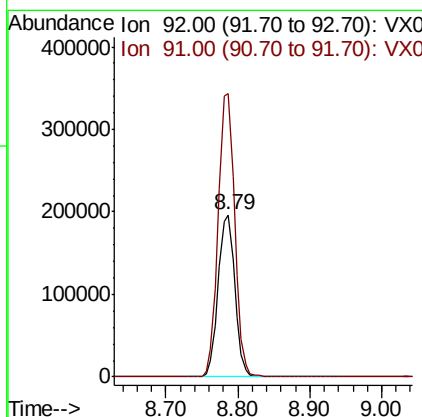
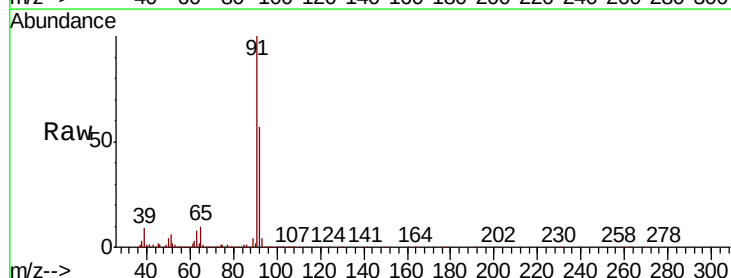
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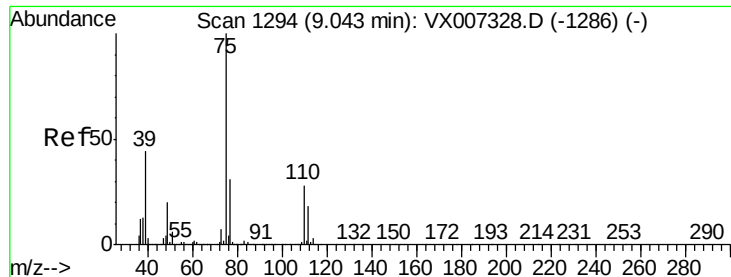
MMDadoda
2/14/2019 10:57:10 AM



#52
Toluene
Concen: 19.407 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.1	208.7





#53

t-1,3-Dichloropropene

Concen: 20.406 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion: 75 Resp: 171418

Ion Ratio Lower Upper

75 100

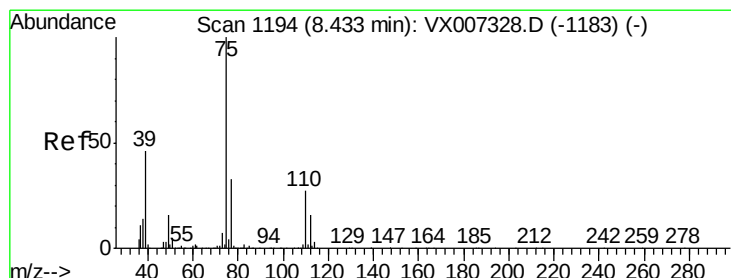
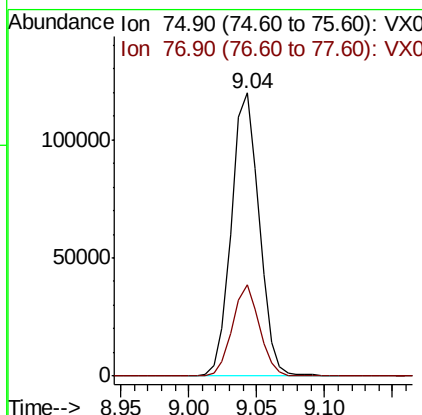
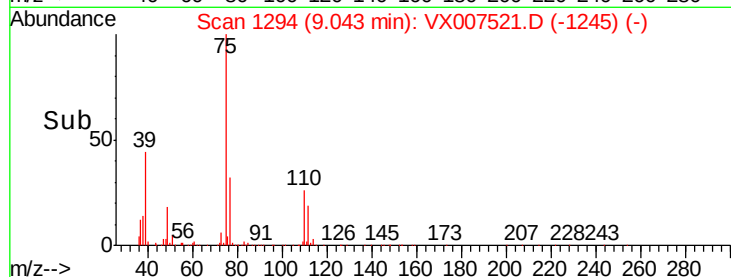
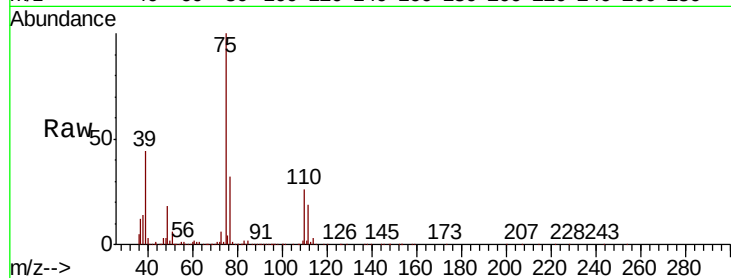
77 32.0 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 20.897 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

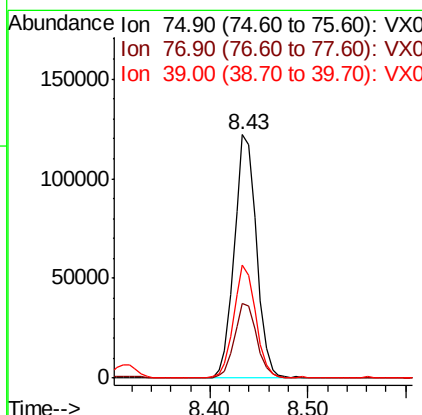
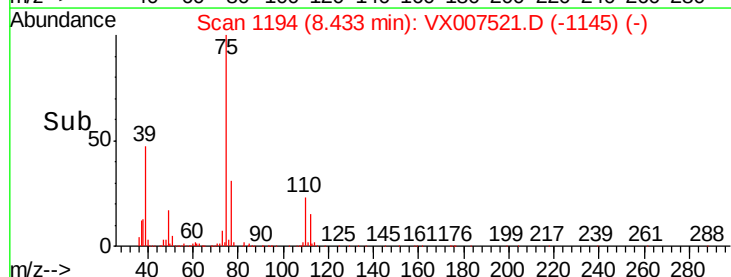
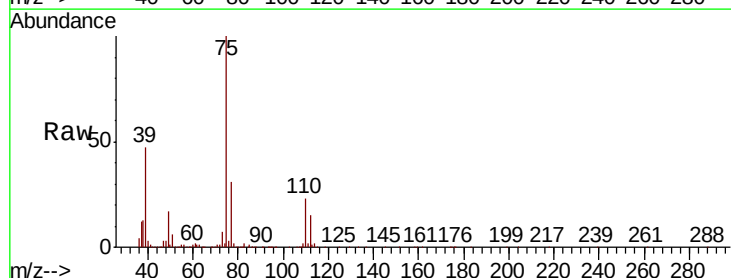
Tgt Ion: 75 Resp: 193040

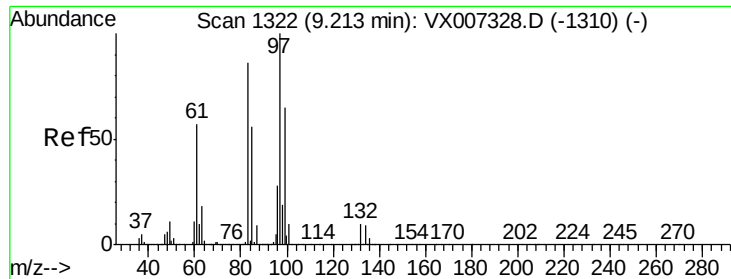
Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.4

39 46.7 37.1 55.7





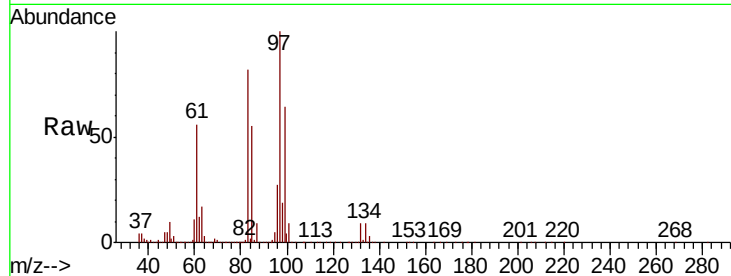
#55
1,1,2-Trichloroethane
Concen: 19.991 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.6	102.8
85	54.9	44.5	66.7
99	63.4	52.2	78.4

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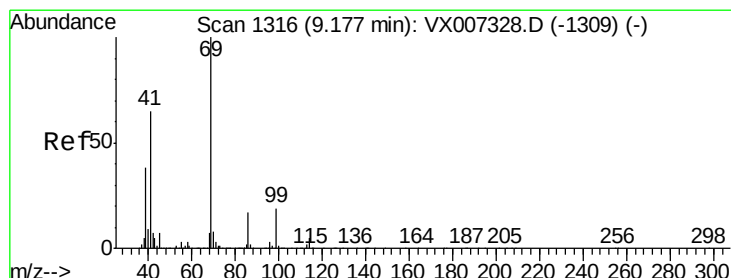
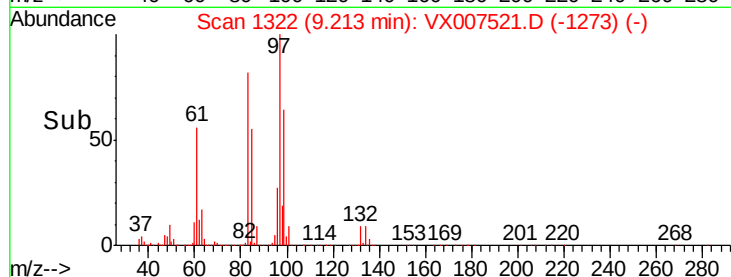
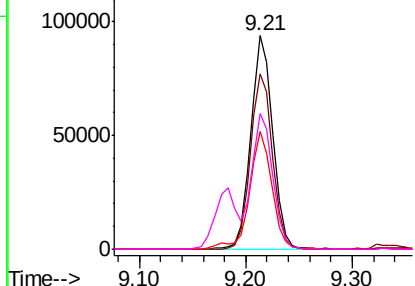
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

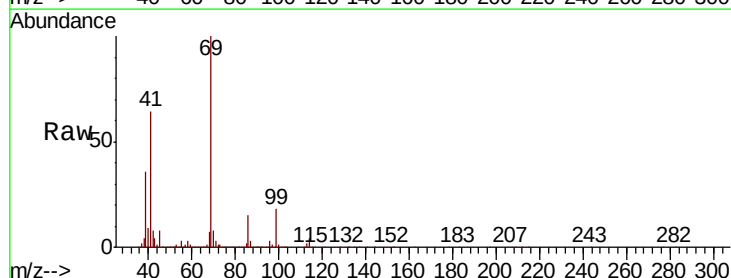
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
Ethyl methacrylate
Concen: 20.346 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.1	78.1
39	35.8	30.1	45.1

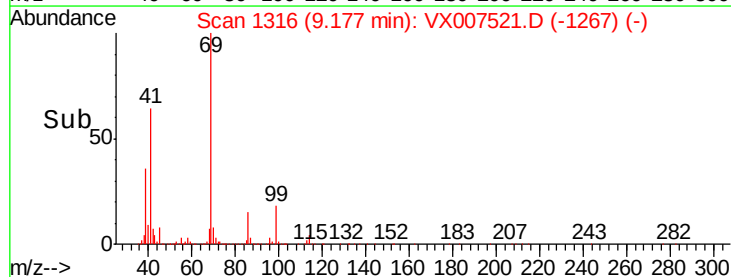
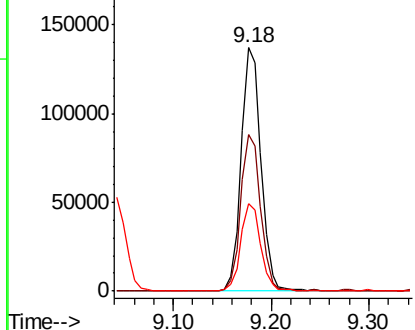


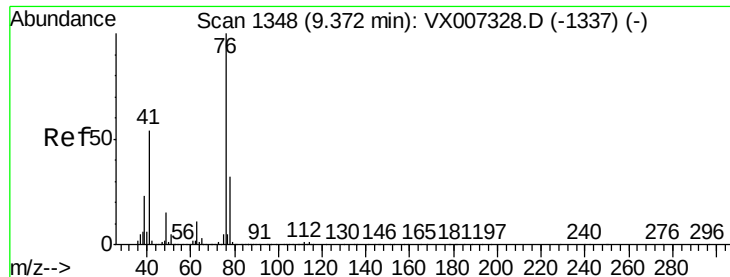
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





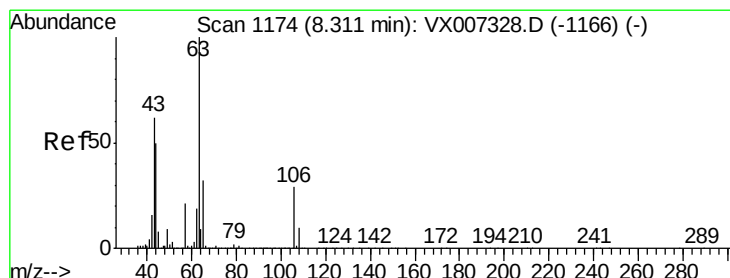
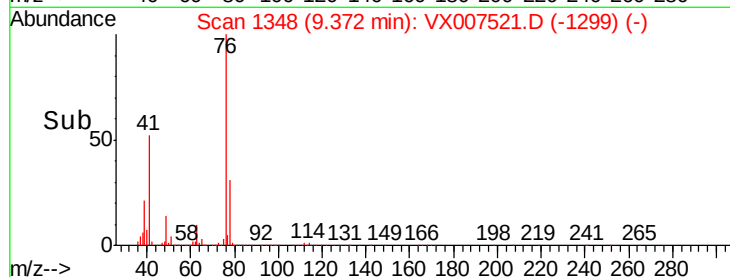
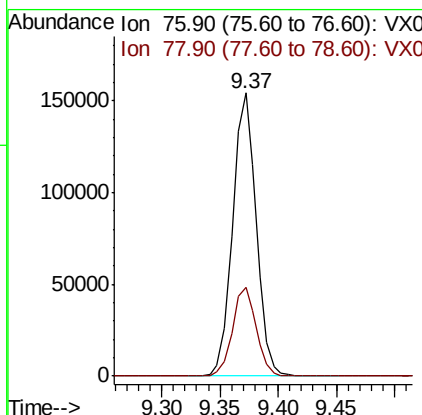
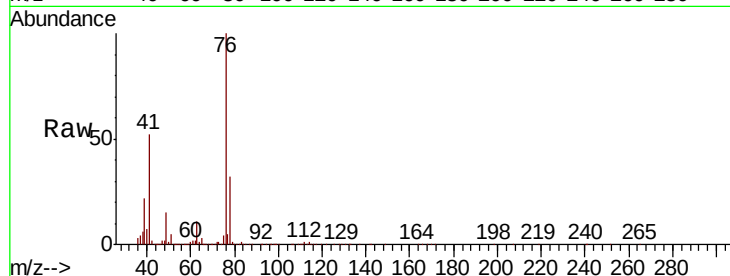
#57
 1,3-Dichloropropane
 Concen: 20.093 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

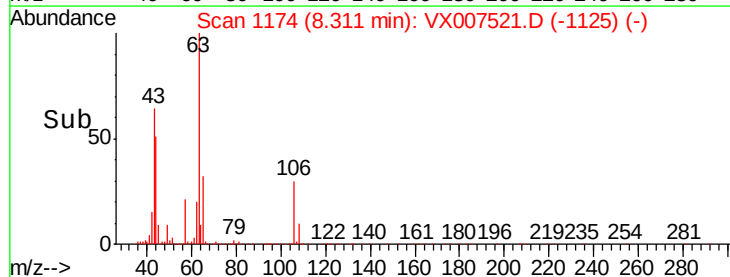
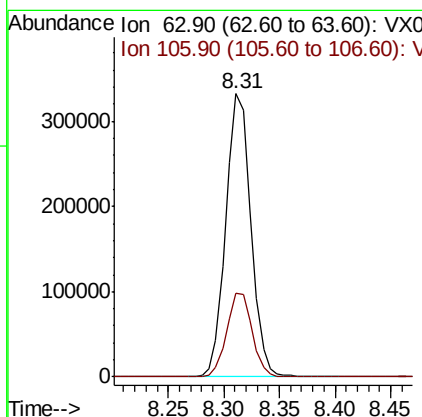
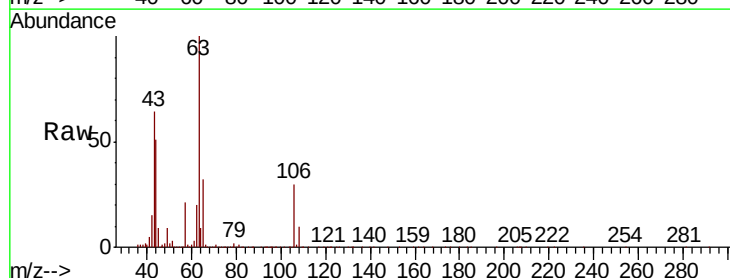
Manual Integrations
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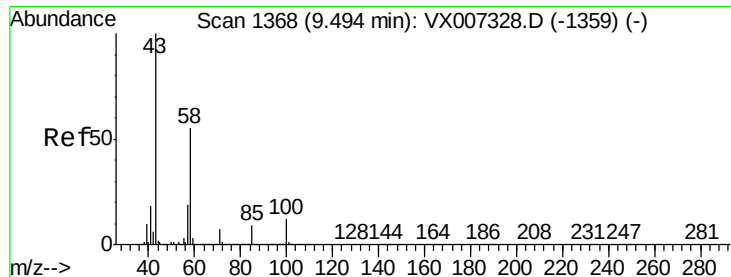
MMDadoda
 2/14/2019 10:57:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.432 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.6	35.4





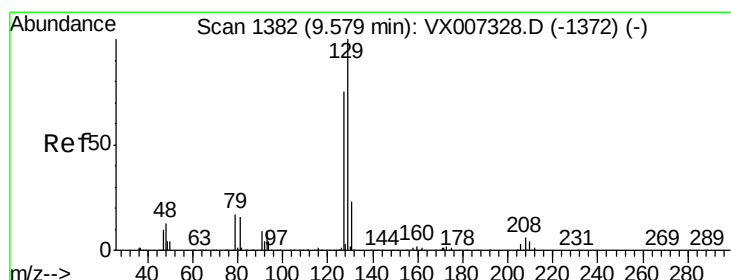
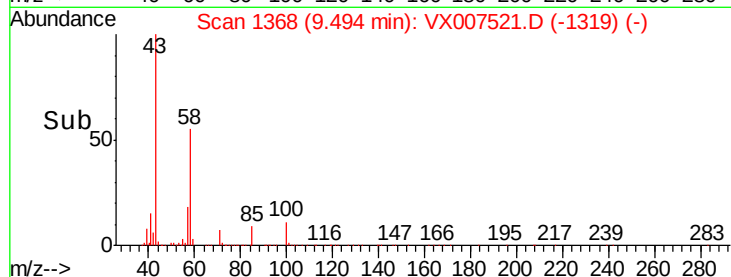
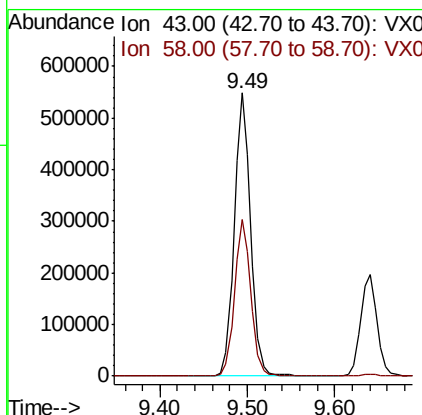
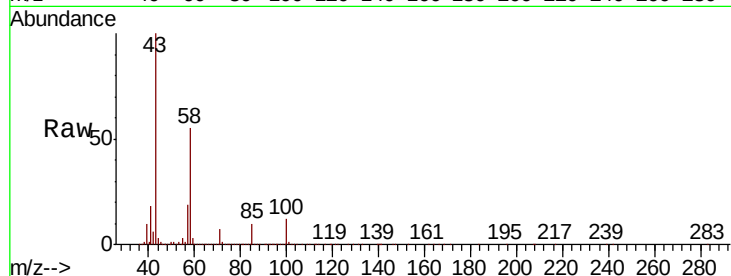
#59
2-Hexanone
Concen: 104.547 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.1	81.3

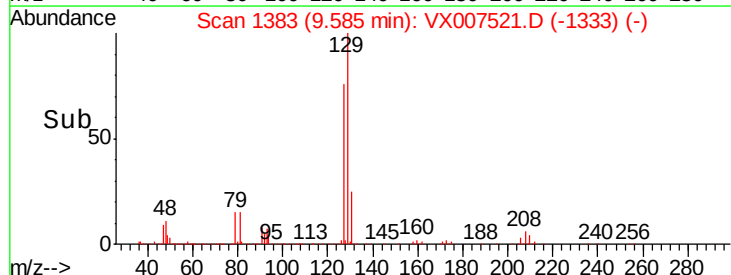
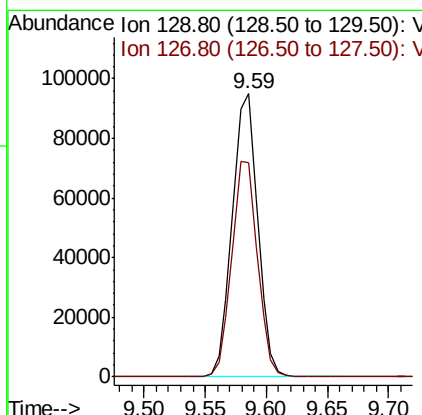
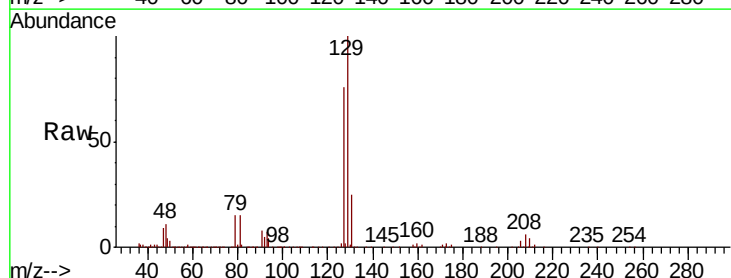
Manual Integrations
APPROVED

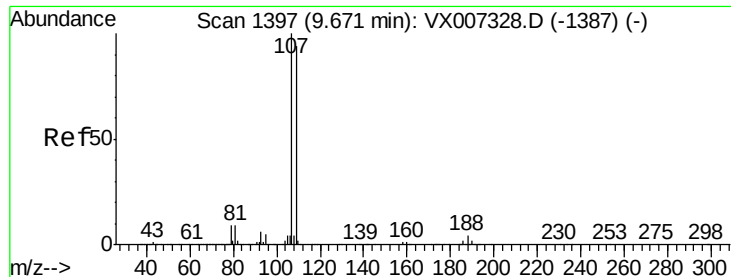
MMDadoda
2/14/2019 10:57:10 AM



#60
Dibromochloromethane
Concen: 21.257 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	37.8	113.4





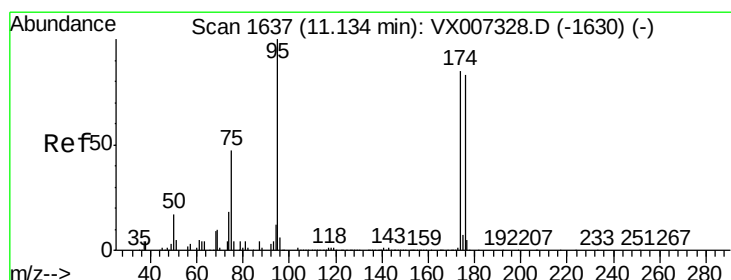
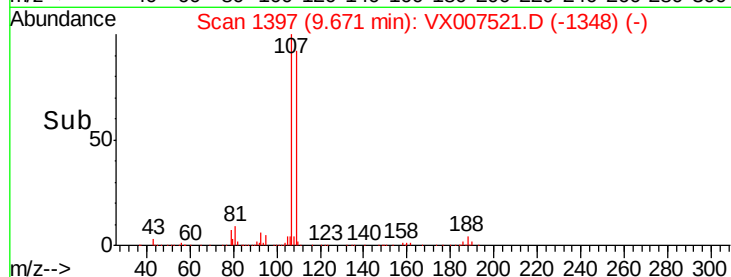
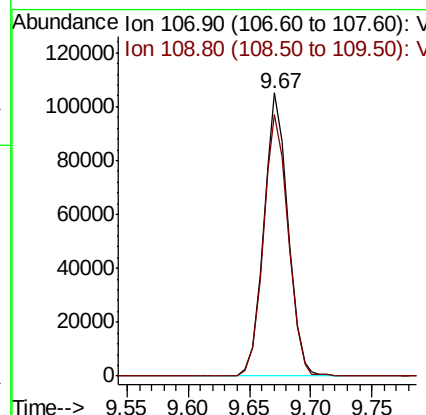
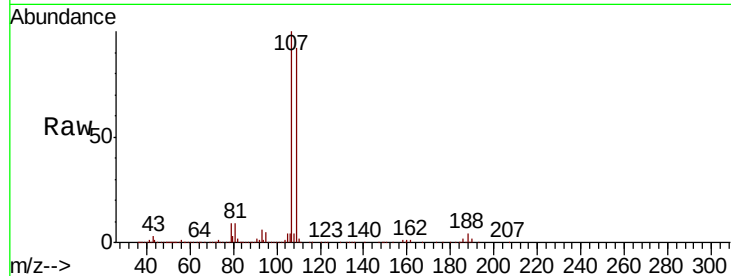
#61
1,2-Dibromoethane
Concen: 20.106 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.1	112.7

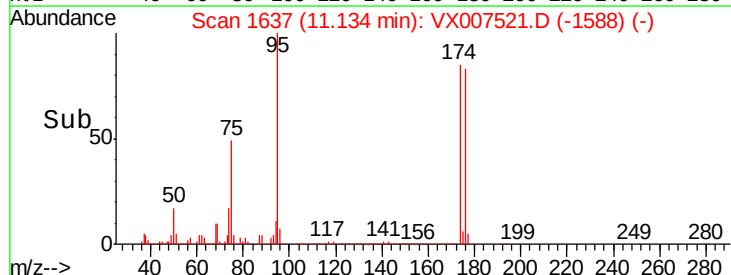
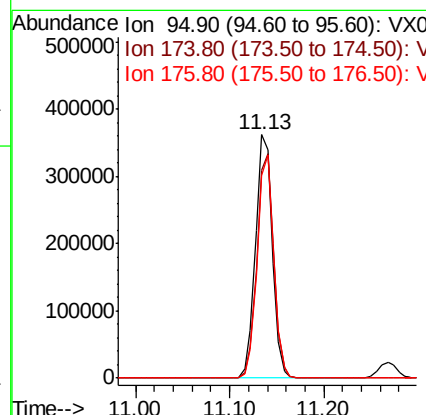
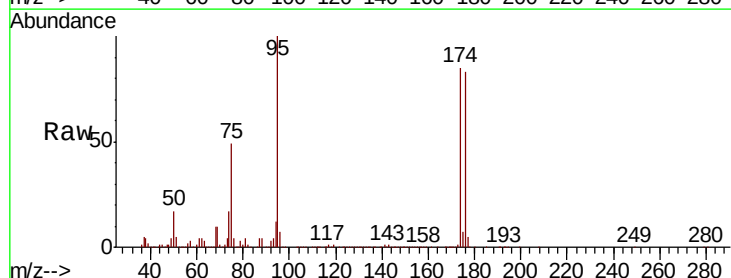
Manual Integrations
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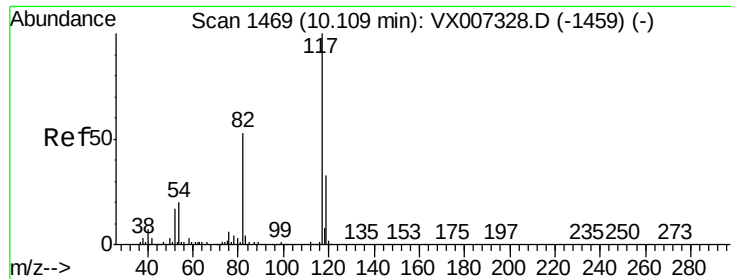
MMDadoda
2/14/2019 10:57:10 AM



#62
4-Bromofluorobenzene
Concen: 53.976 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	189.2
176	90.4	0.0	186.2





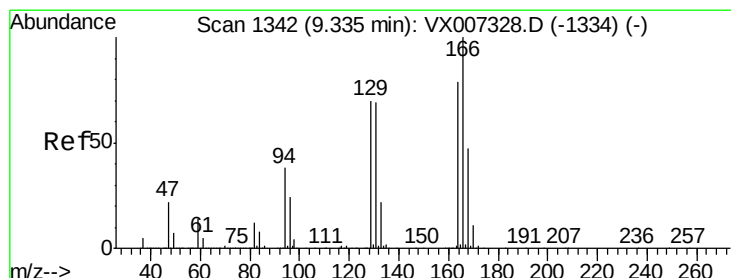
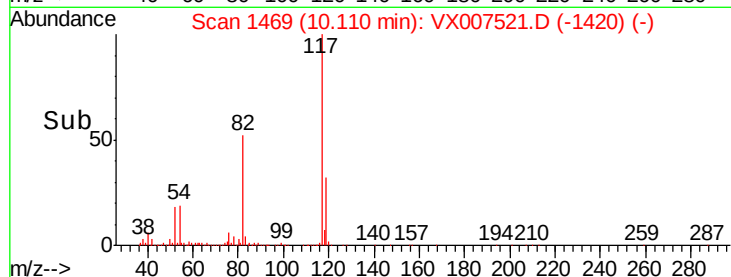
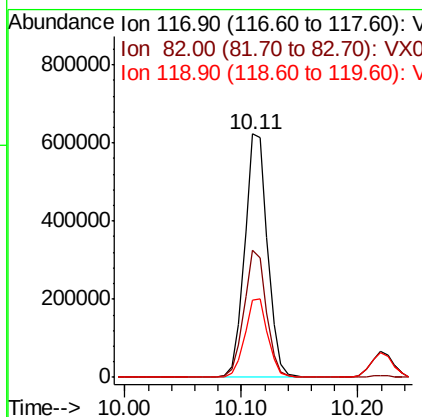
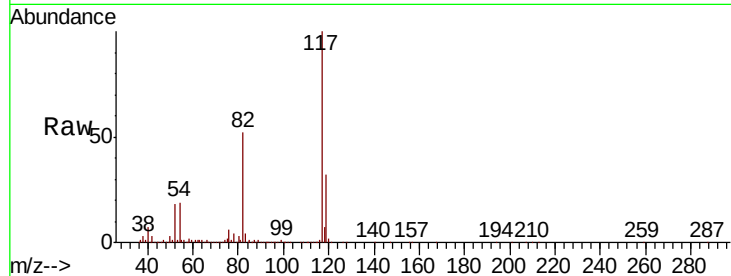
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.1	63.1
119	31.8	26.5	39.7

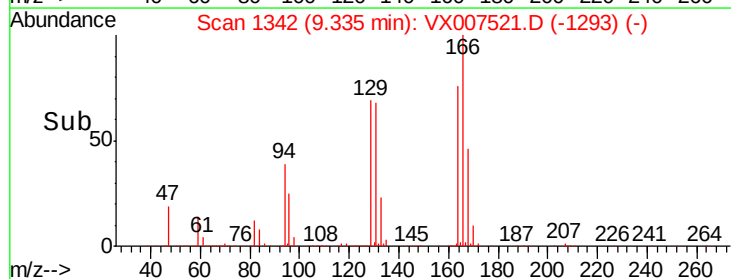
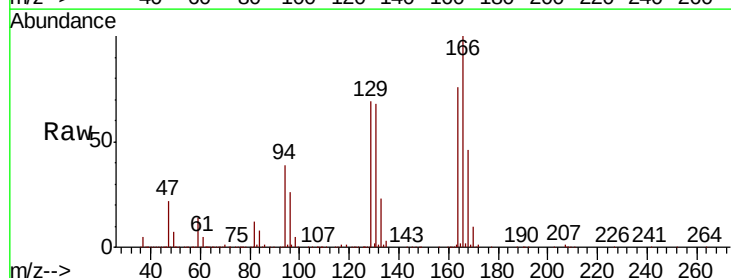
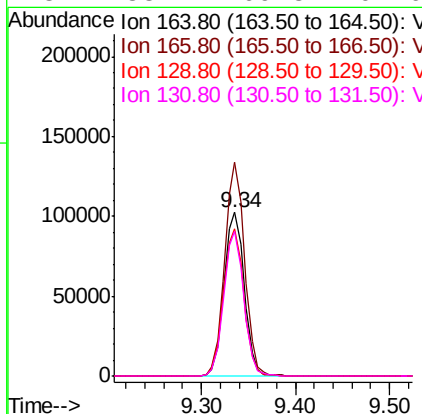
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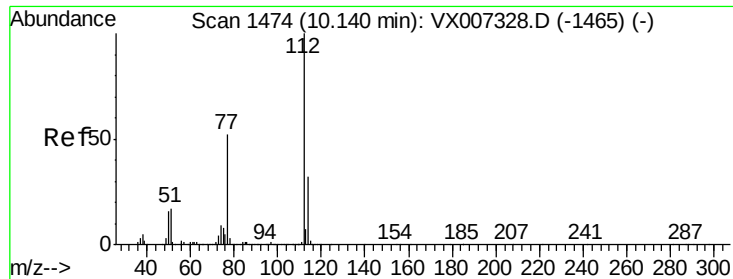
MMDadoda
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#64
Tetrachloroethene
Concen: 19.074 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.0	151.4
129	89.8	70.5	105.7
131	88.7	69.8	104.6





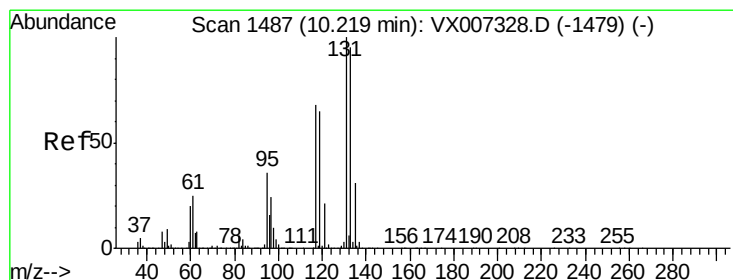
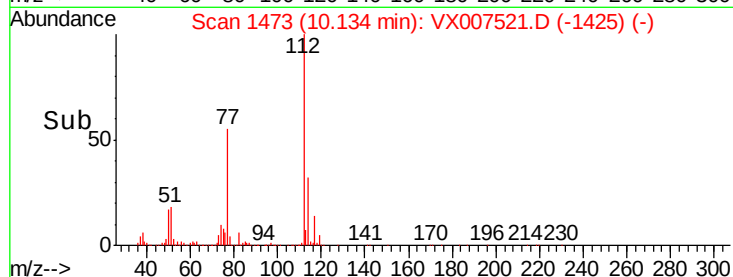
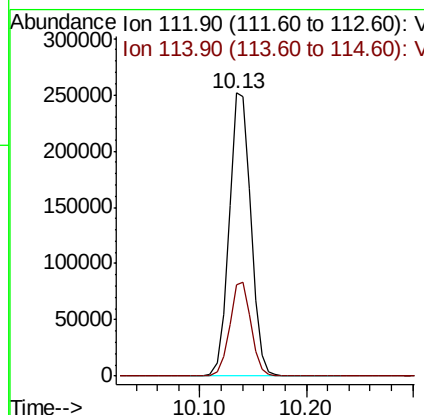
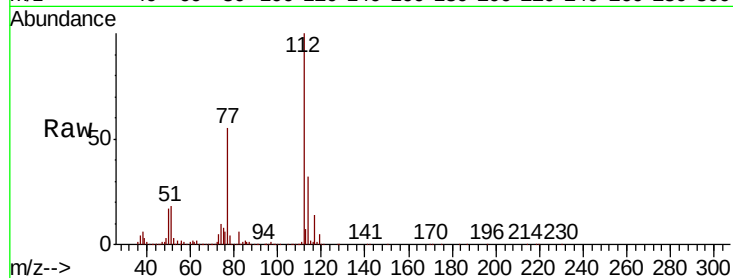
#65
Chlorobenzene
Concen: 19.350 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

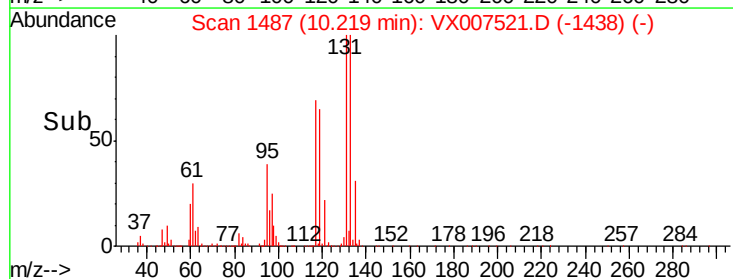
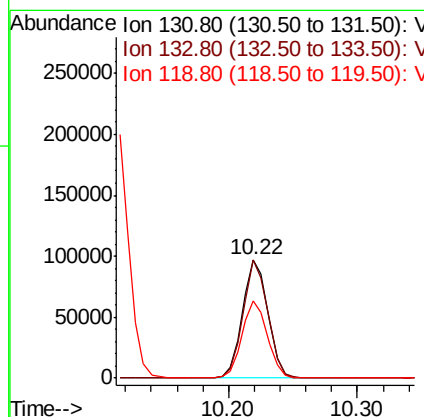
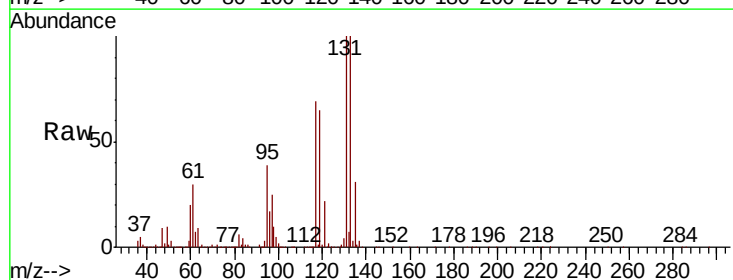
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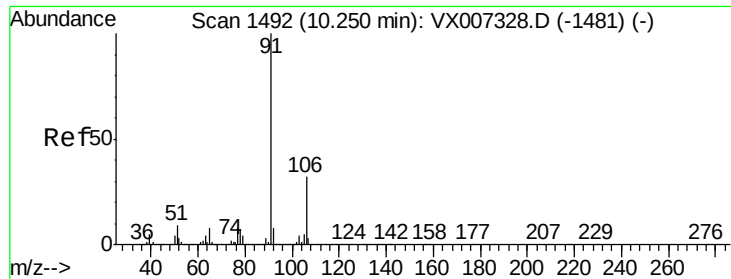
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.146 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	48.0	144.2
119	65.1	32.0	96.0





#67

Ethyl Benzene

Concen: 19.895 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion: 91 Resp: 595091

Ion Ratio Lower Upper

91 100

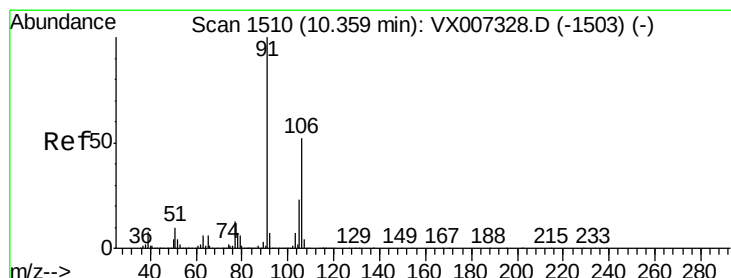
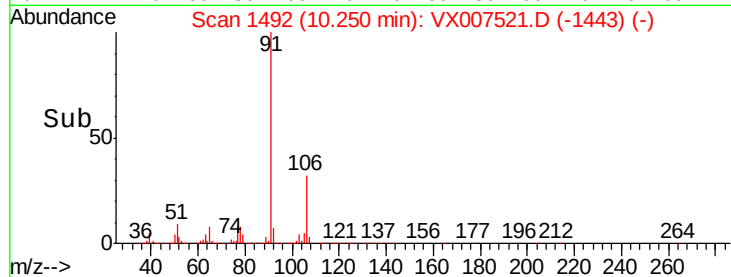
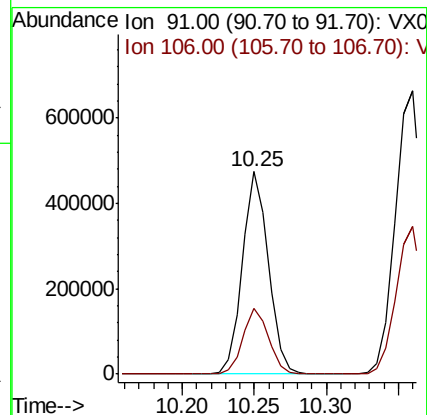
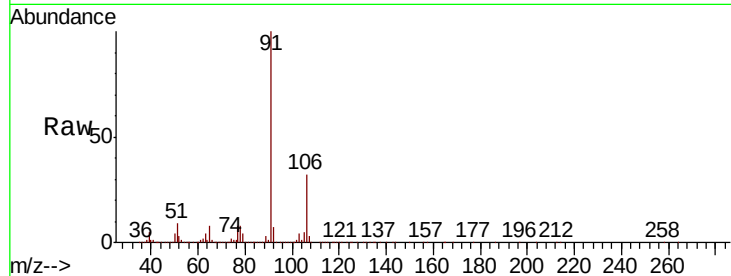
106 32.2 25.4 38.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.749 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007521.D

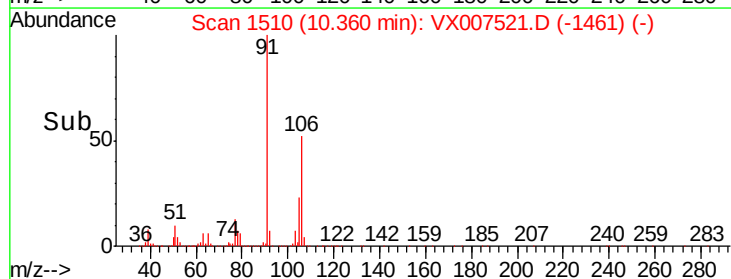
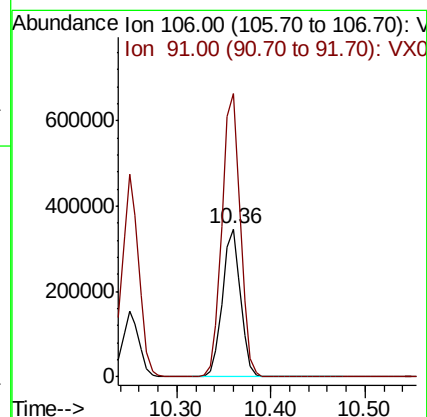
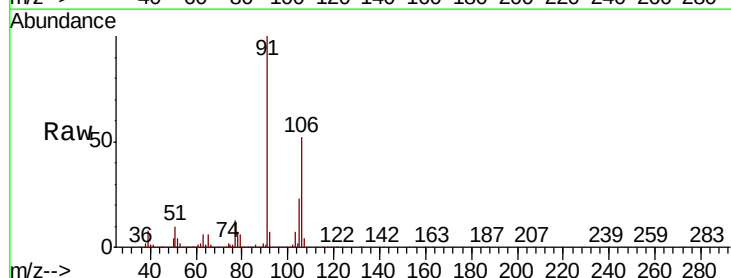
Acq: 13 Feb 2019 15:37

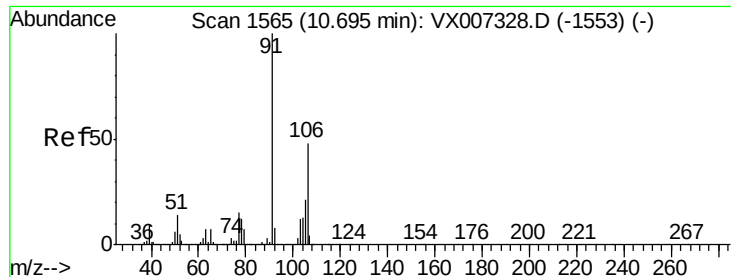
Tgt Ion: 106 Resp: 460733

Ion Ratio Lower Upper

106 100

91 195.0 156.6 234.8





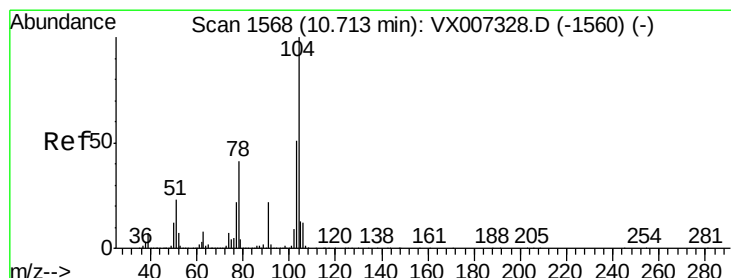
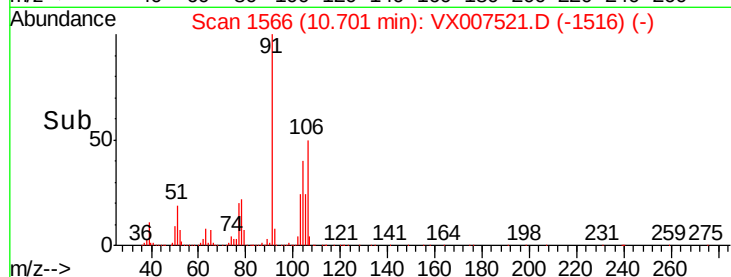
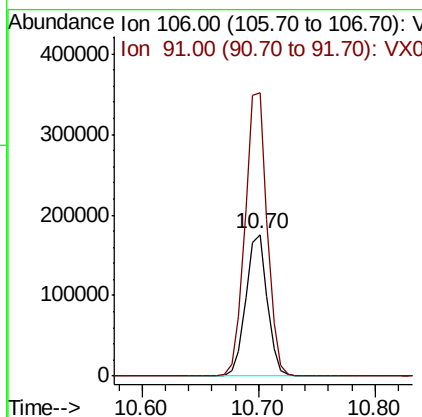
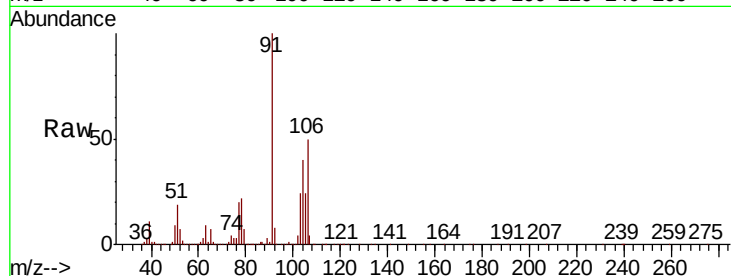
#69
o-Xylene
Concen: 19.950 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.6	102.9	308.7

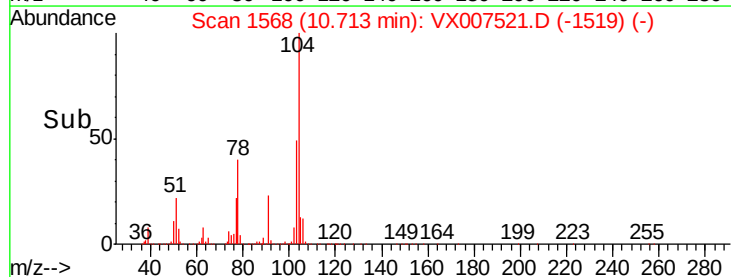
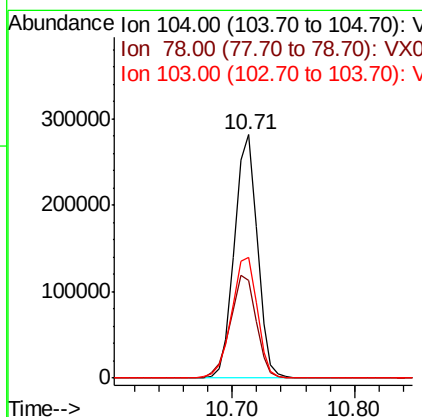
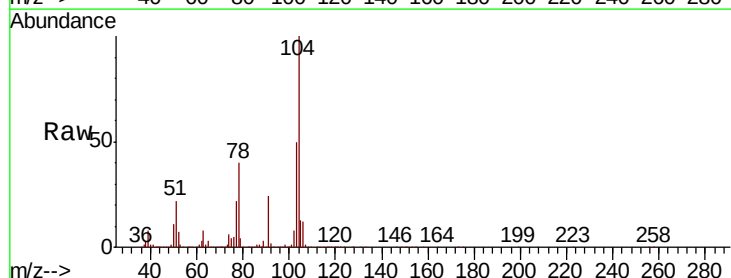
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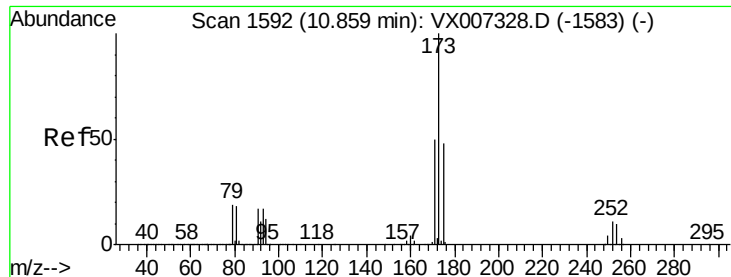
MMDadoda
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#70
Styrene
Concen: 19.619 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.3	57.5
103	55.5	44.6	67.0





#71

Bromoform

Concen: 20.605 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

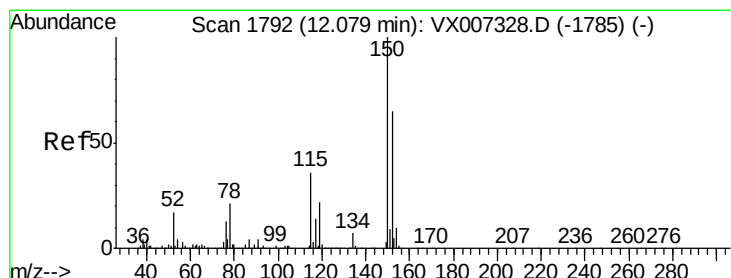
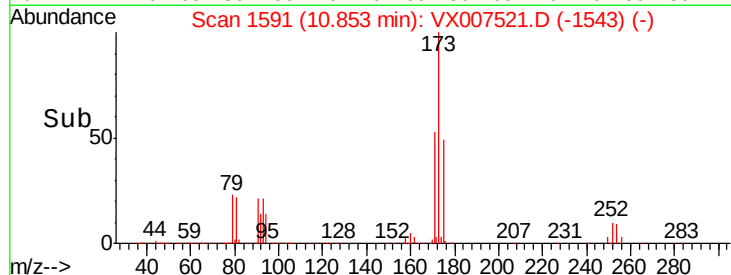
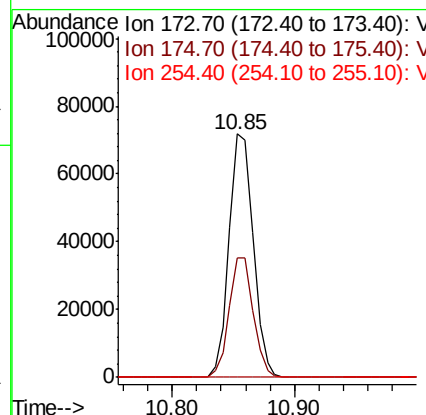
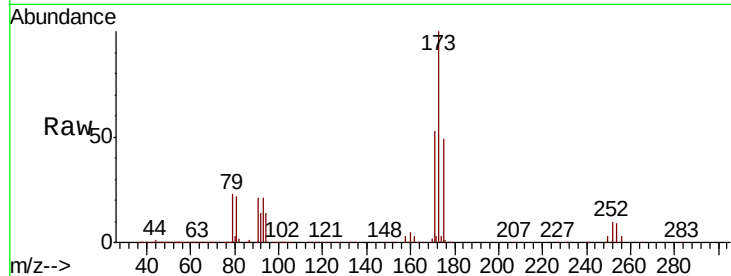
ClientSampleId :

VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

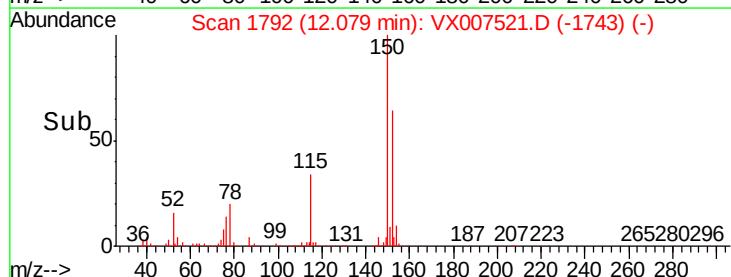
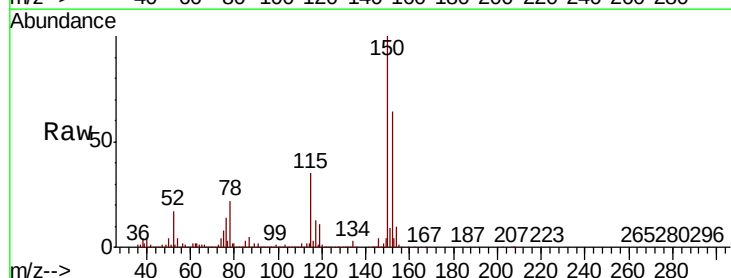
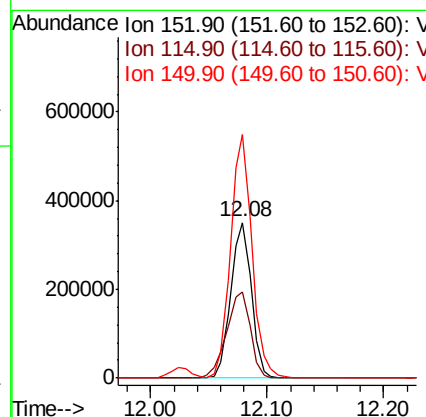
RT: 12.08 min Scan# 1792

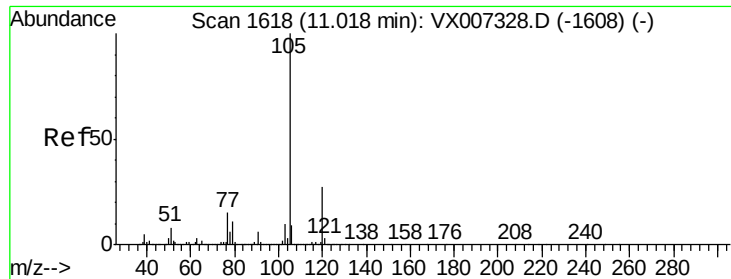
Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	38.0	114.0
150	162.2	0.0	346.4





#73

Isopropylbenzene

Concen: 20.774 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion:105 Resp: 605725

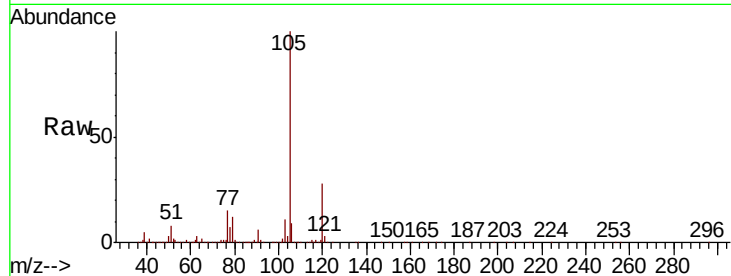
Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

500000

400000

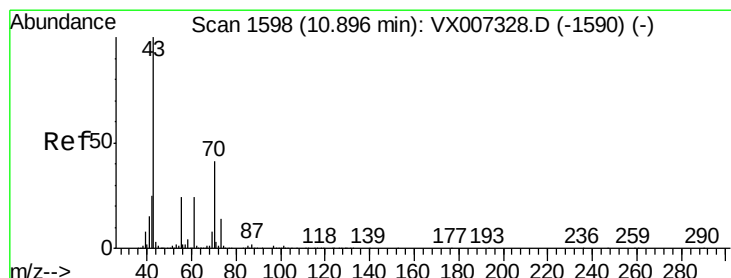
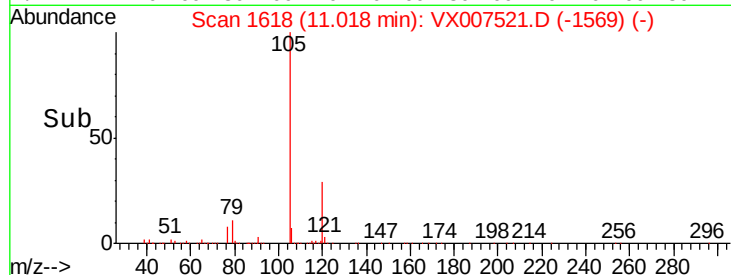
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 21.608 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion: 43 Resp: 243695

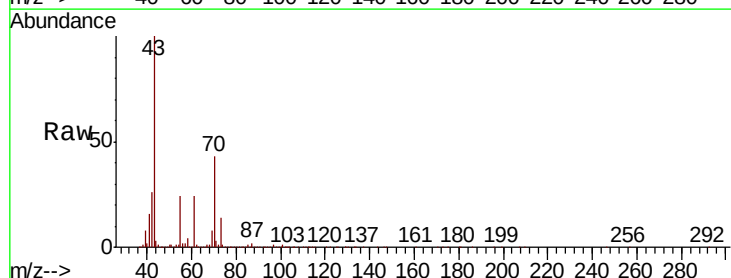
Ion Ratio Lower Upper

43 100

70 43.3 33.8 50.6

55 24.0 19.5 29.3

61 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

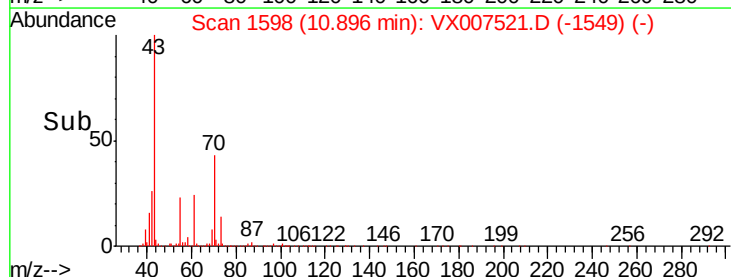
150000

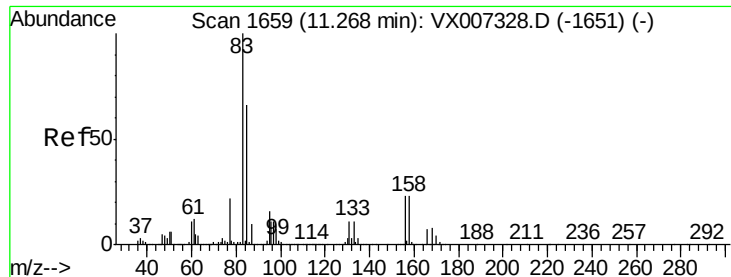
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 22.336 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

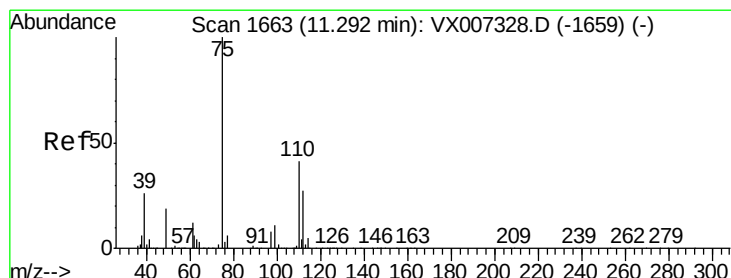
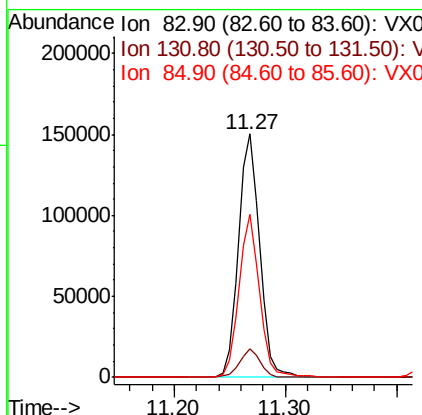
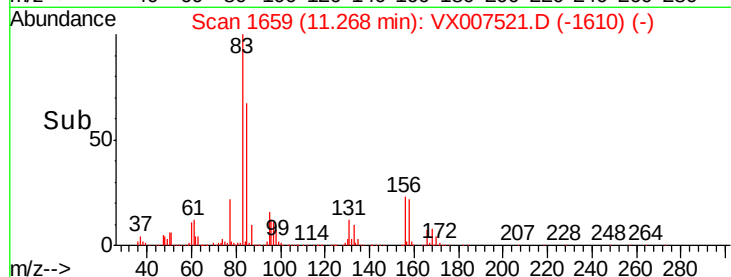
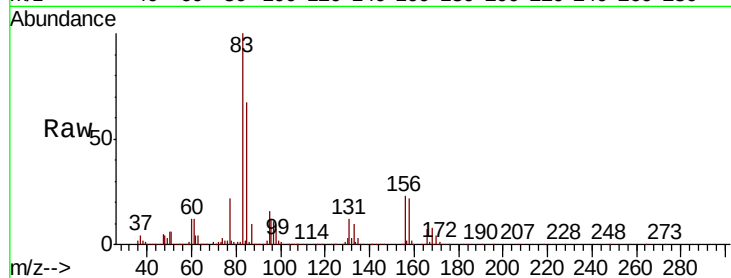
ClientSampleId :

VX0214WBSD01

Tot Ion:	83	Resp:	198479
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	64.8	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 22.196 ug/l m

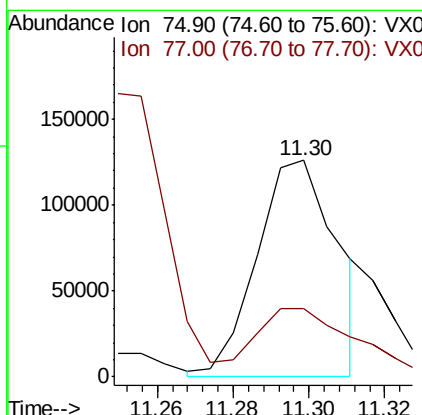
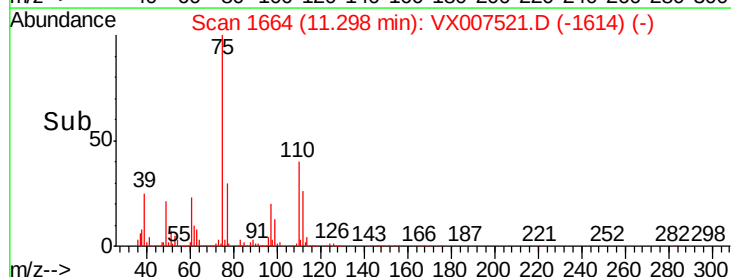
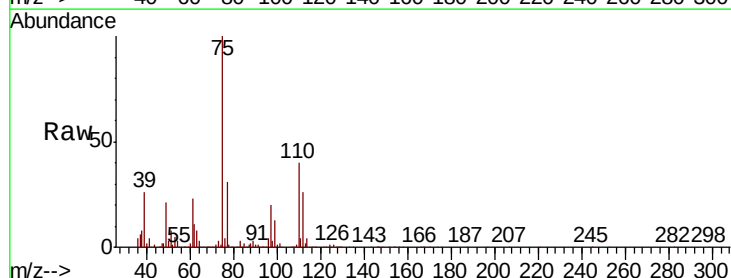
RT: 11.30 min Scan# 1664

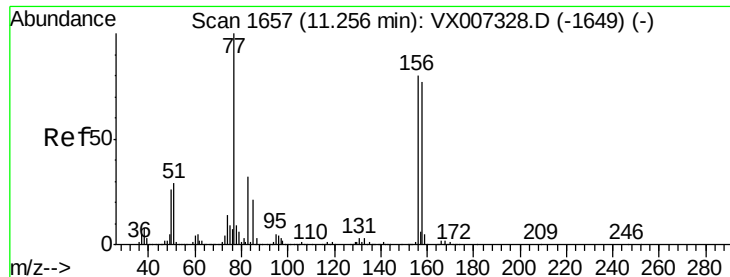
Delta R.T. 0.01 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	75	Resp:	185251
Ion Ratio	Lower	Upper	
75	100		
77	40.0	23.0	69.0





#77

Bromobenzene

Concen: 20.130 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion:156 Resp: 165378

Ion Ratio Lower Upper

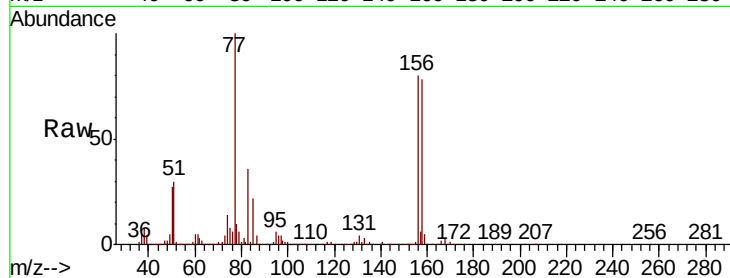
156 100

77 132.4 66.8 200.6

158 97.1 47.9 143.8

Manual Integrations
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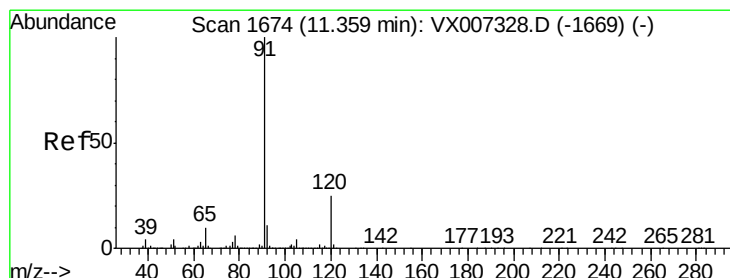
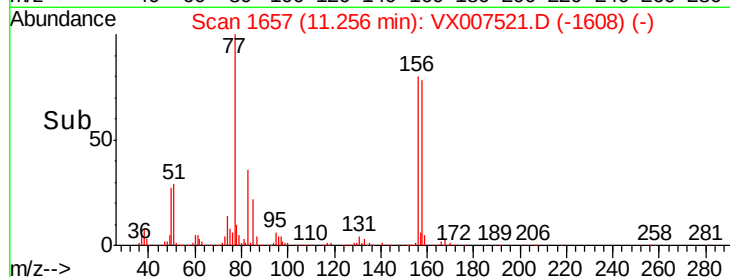
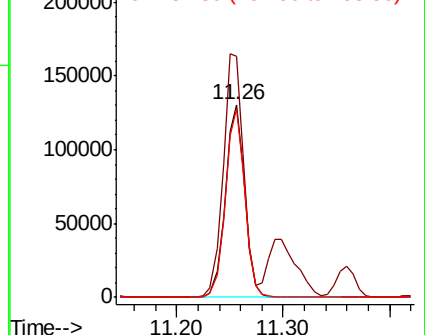
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.729 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007521.D

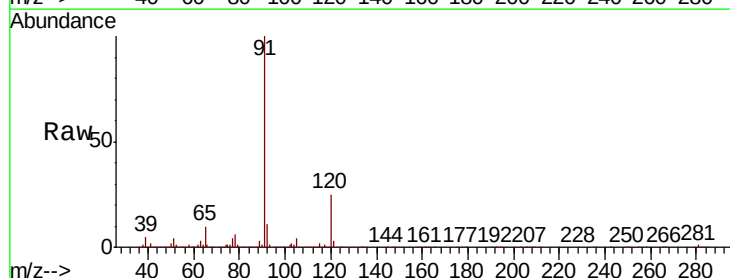
Acq: 13 Feb 2019 15:37

Tgt Ion: 91 Resp: 662761

Ion Ratio Lower Upper

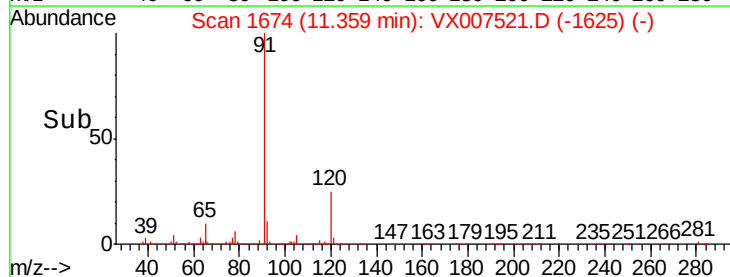
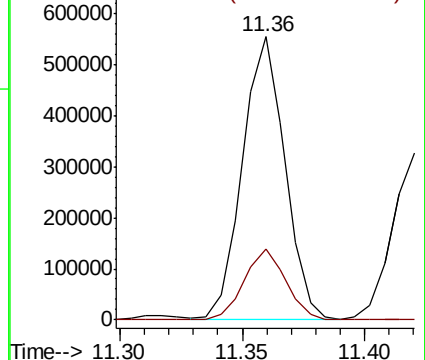
91 100

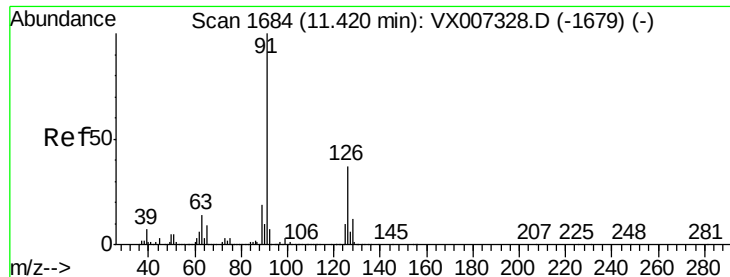
120 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.172 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion: 91 Resp: 391350

Ion Ratio Lower Upper

91 100

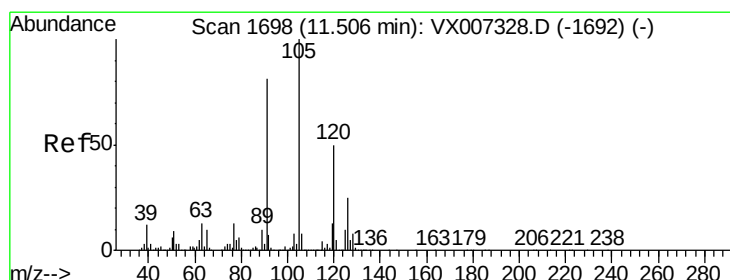
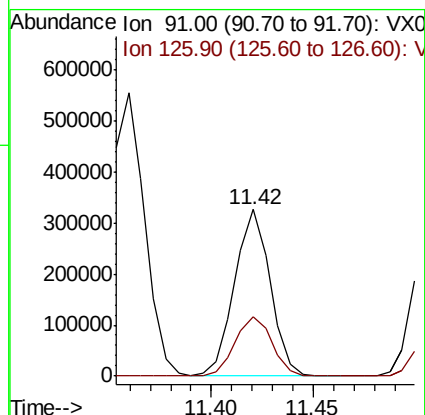
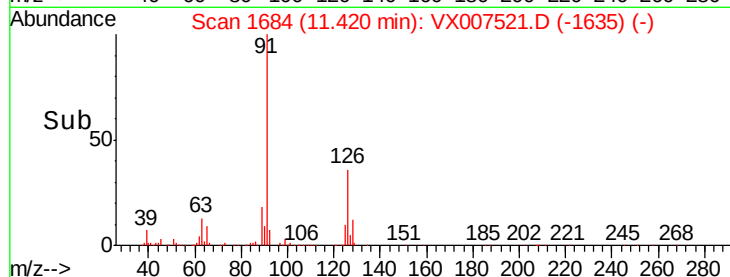
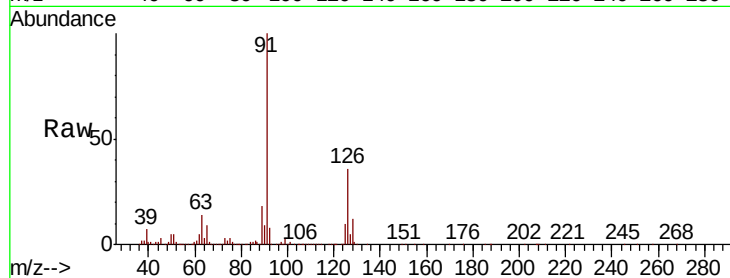
126 37.2 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.683 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007521.D

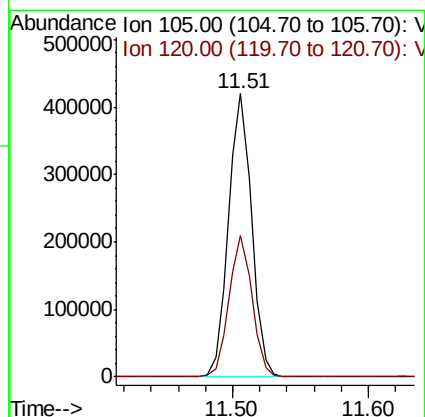
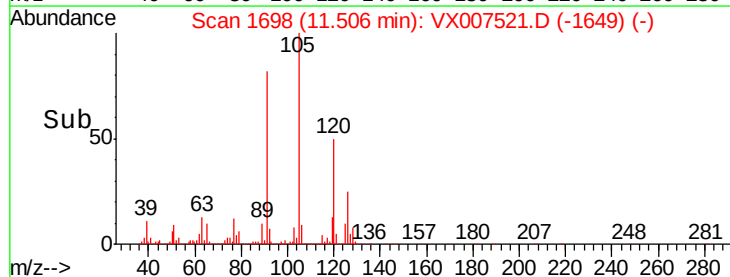
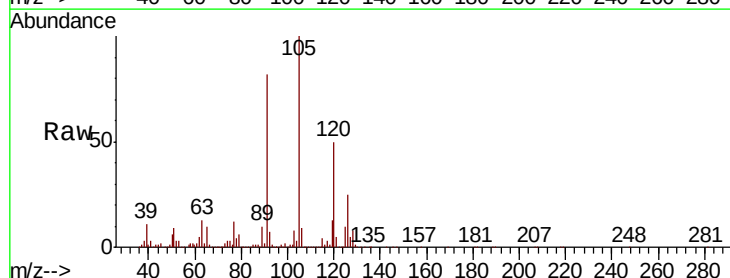
Acq: 13 Feb 2019 15:37

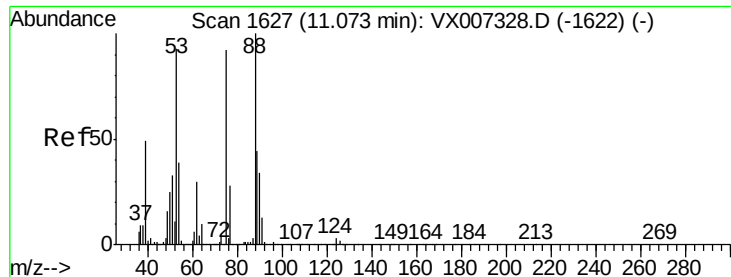
Tgt Ion: 105 Resp: 493374

Ion Ratio Lower Upper

105 100

120 49.8 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 22.208 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion: 75 Resp: 53032

Ion Ratio Lower Upper

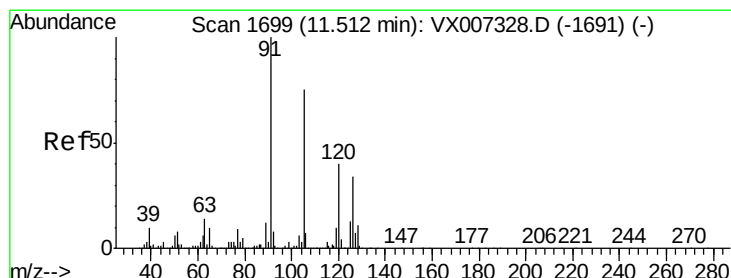
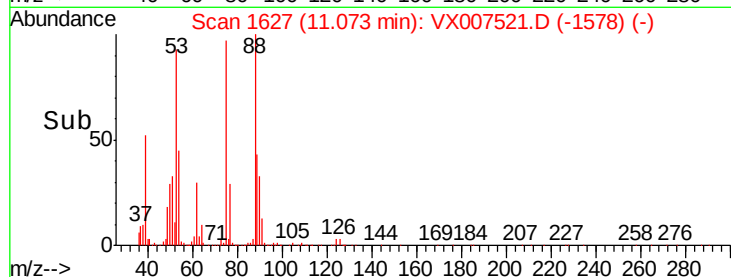
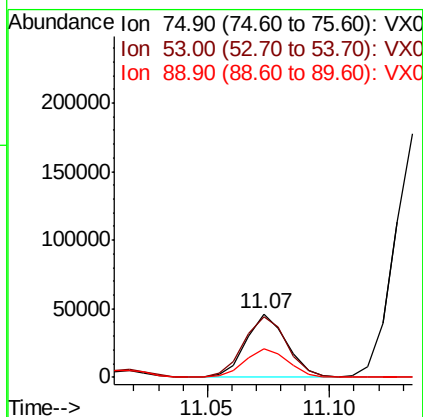
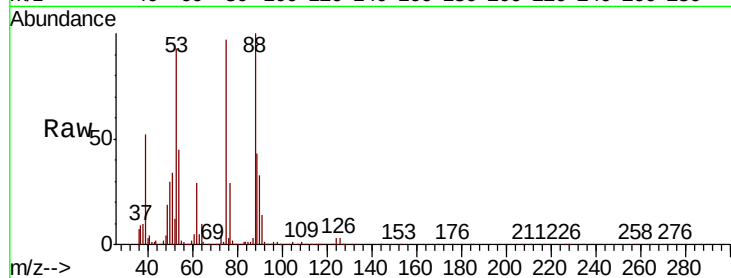
75 100

53 102.5 81.0 121.6

89 49.0 41.4 62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.271 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007521.D

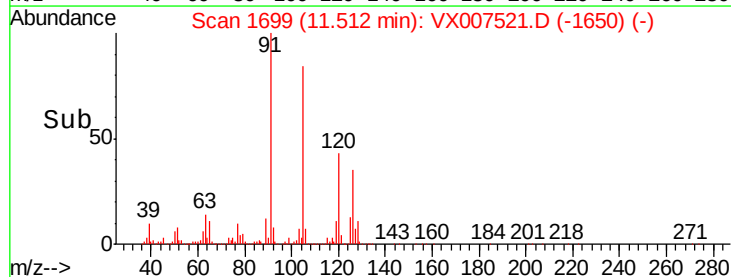
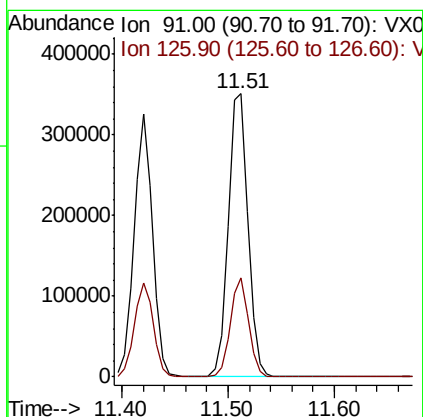
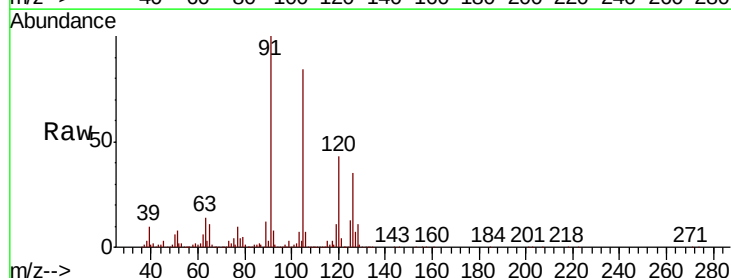
Acq: 13 Feb 2019 15:37

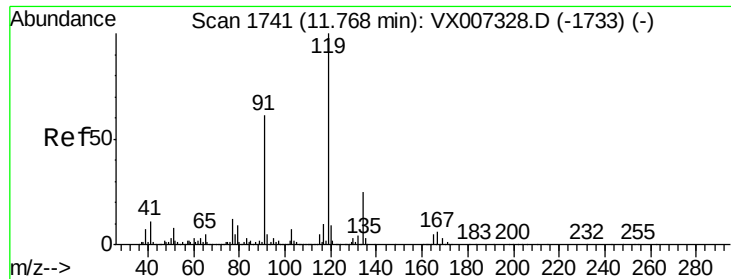
Tgt Ion: 91 Resp: 455059

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5





#83

tert-Butylbenzene

Concen: 20.907 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

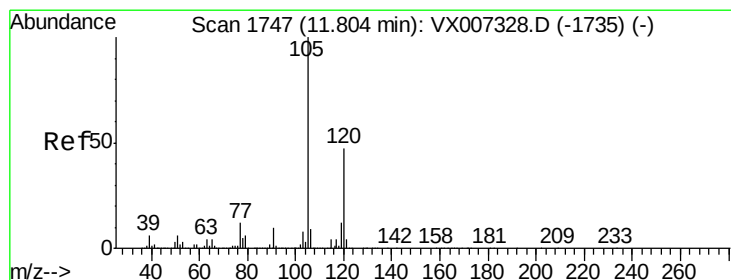
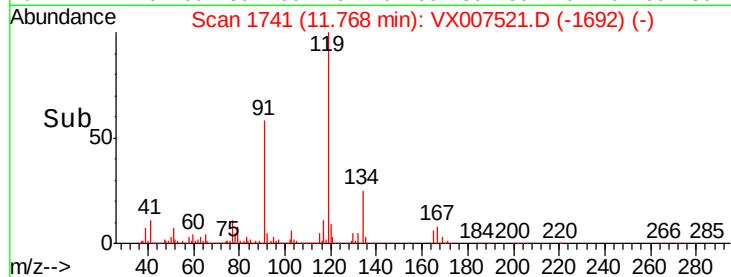
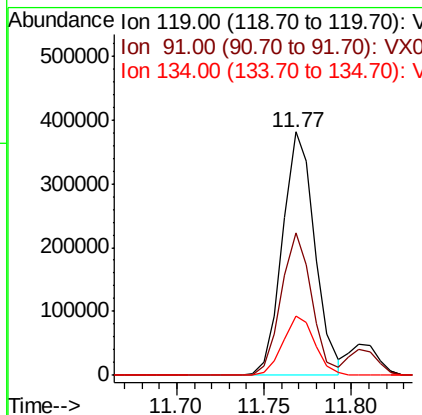
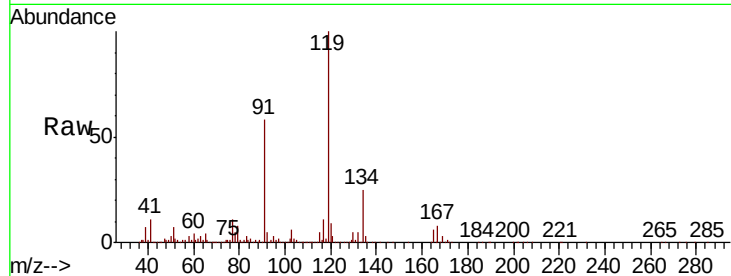
ClientSampleId :

VX0214WBSD01

Tot Ion:	119	Resp:	493777
Ion Ratio	Lower	Upper	
119	100		
91	55.2	28.5	85.6
134	24.2	12.0	36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.658 ug/l

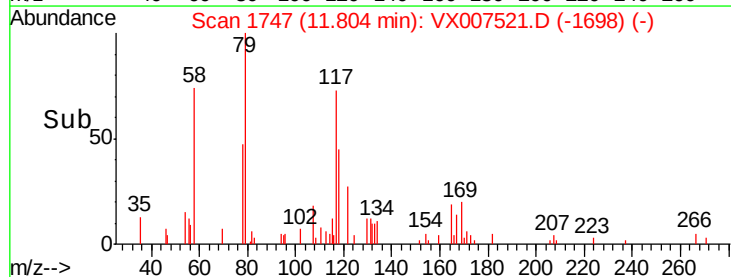
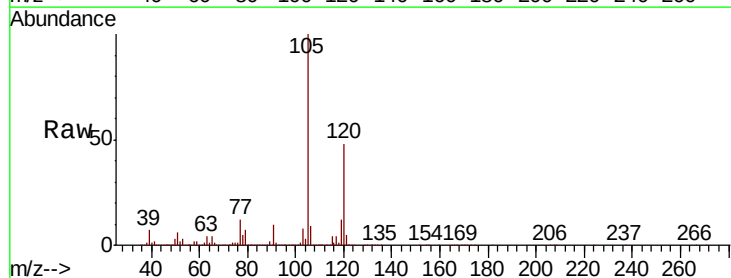
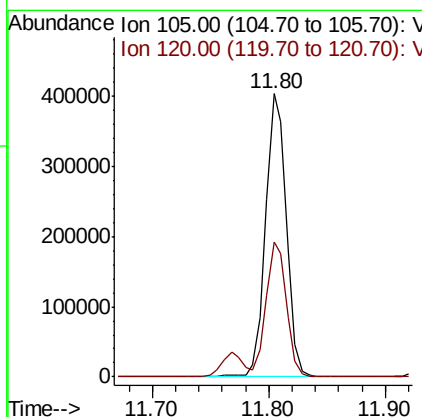
RT: 11.80 min Scan# 1747

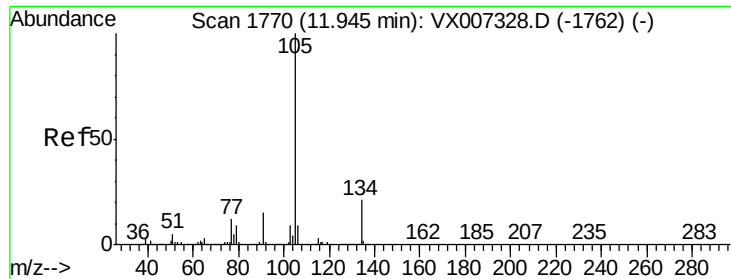
Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	105	Resp:	500291
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 20.945 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tot Ion:105 Resp: 598706

Ion Ratio Lower Upper

105 100

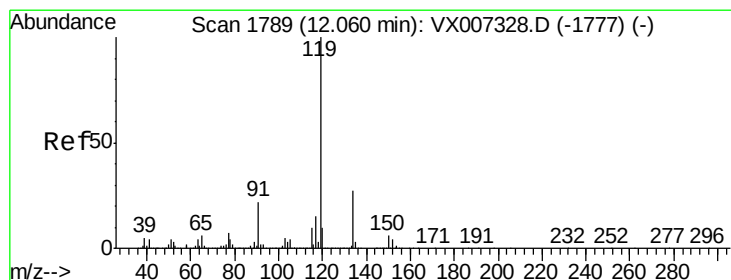
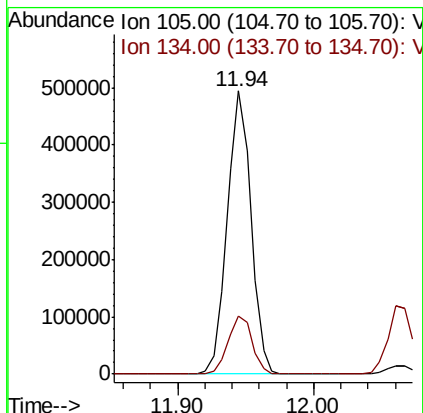
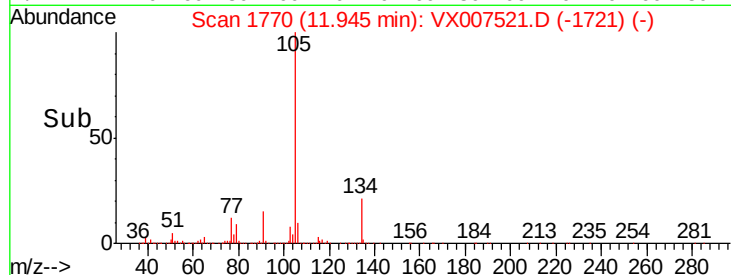
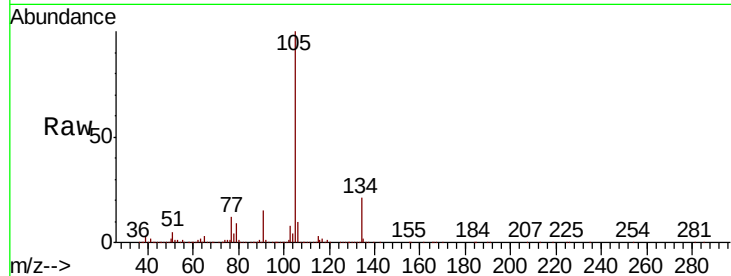
134 21.0 10.6 31.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.868 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

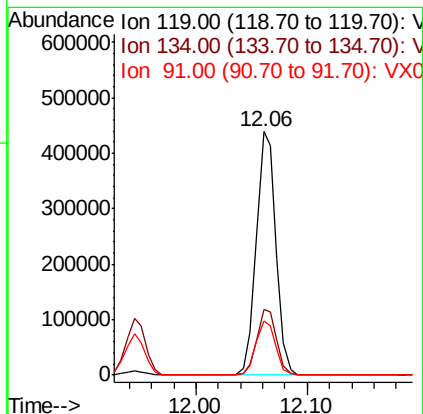
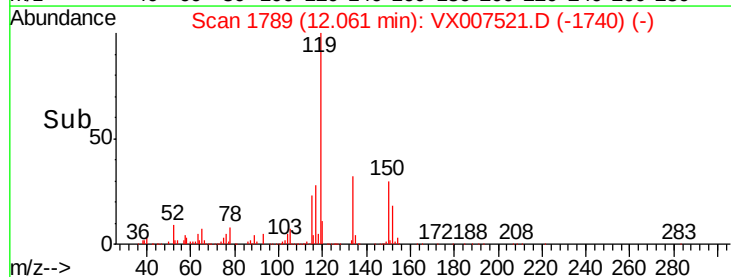
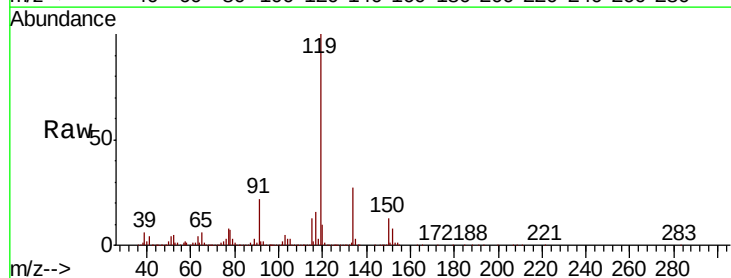
Tgt Ion:119 Resp: 538470

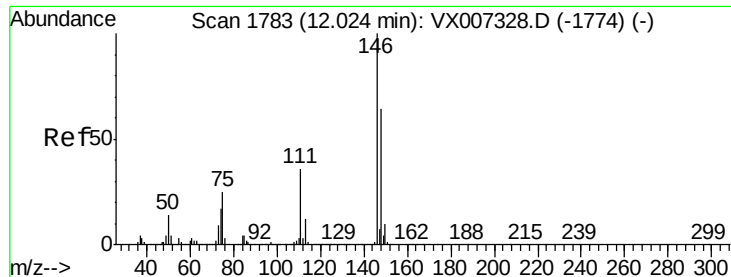
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 22.5 11.2 33.5





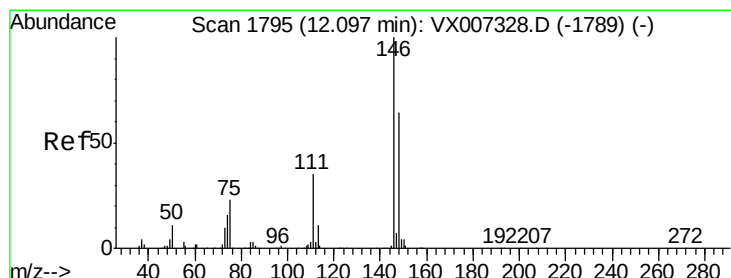
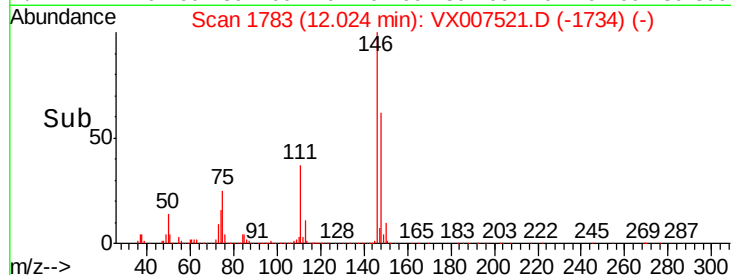
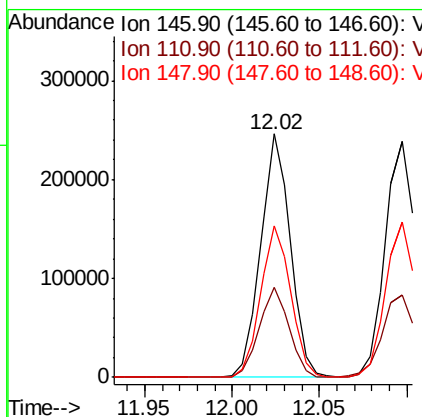
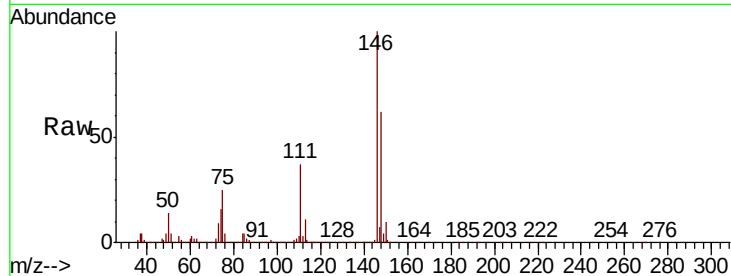
#87
 1,3-Dichlorobenzene
 Concen: 19.633 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	289467		
111	37.4	18.1	54.1	
148	63.4	32.0	96.2	

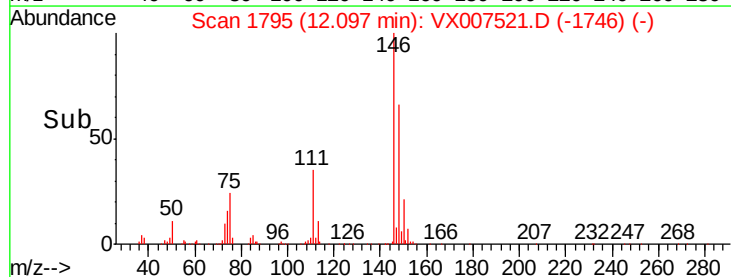
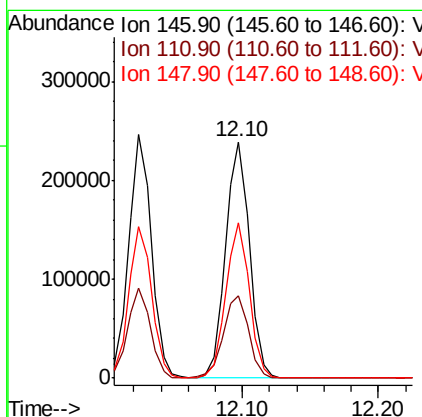
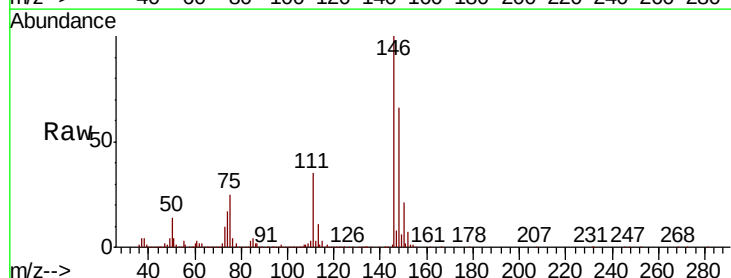
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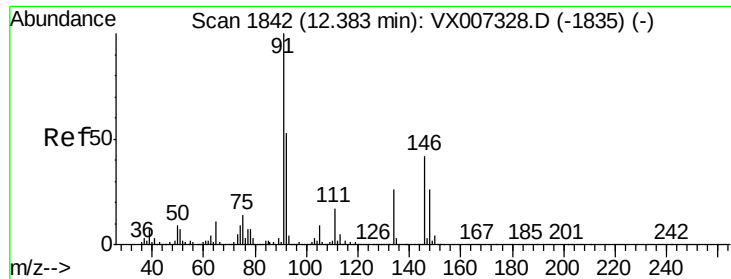
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 2/14/2019 10:57:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.355 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	289518		
111	37.5	18.1	54.1	
148	65.1	32.3	96.9	





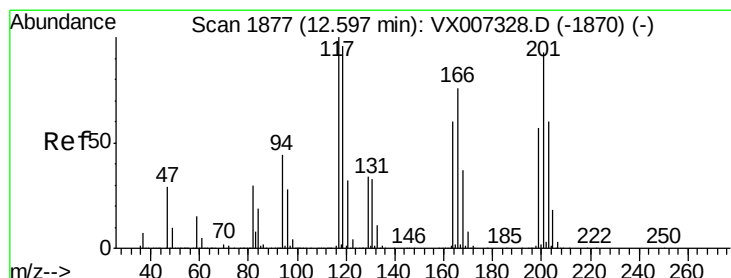
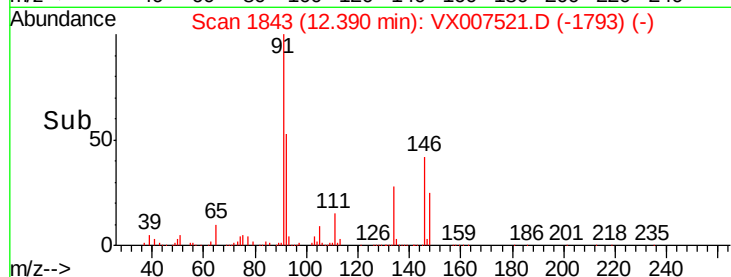
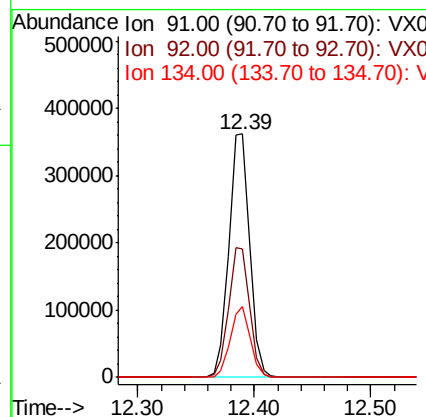
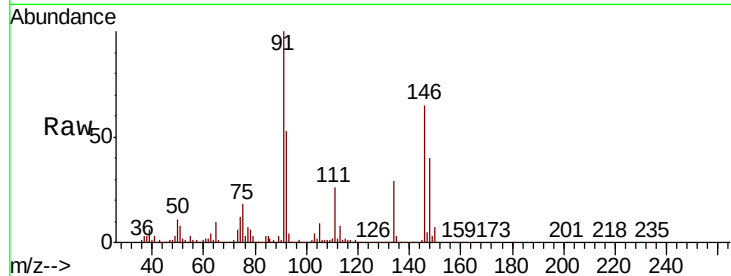
#89
n-Butylbenzene
Concen: 20.122 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.9
134	27.9	13.9	41.6

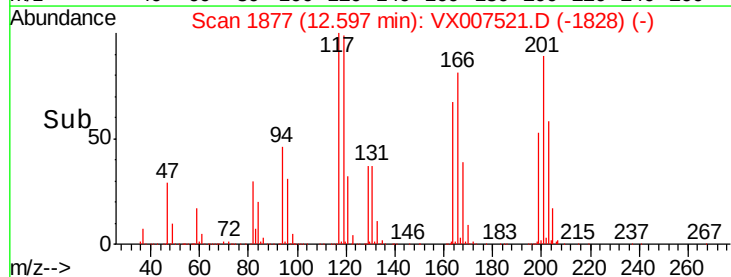
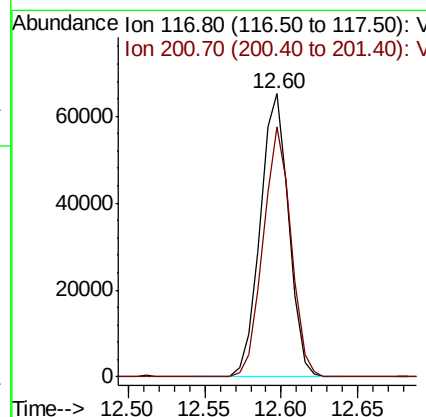
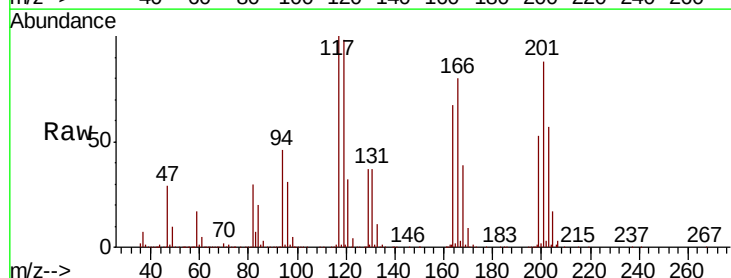
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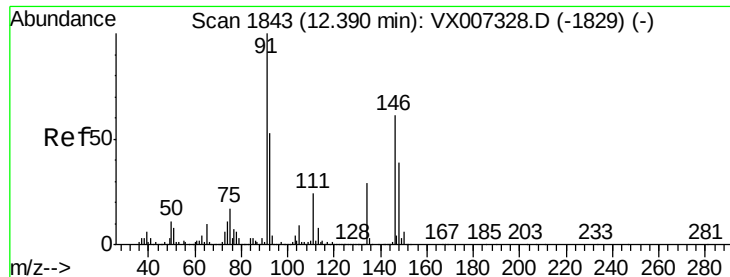
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#90
Hexachloroethane
Concen: 21.921 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007521.D
Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	44.9	134.7





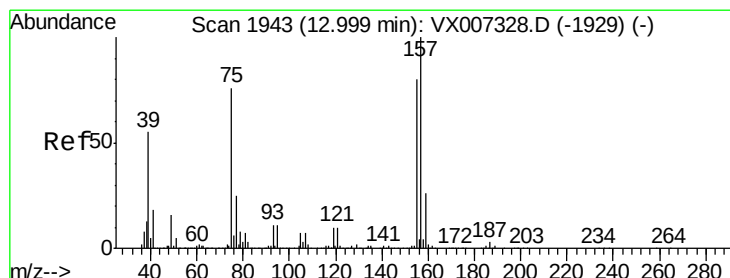
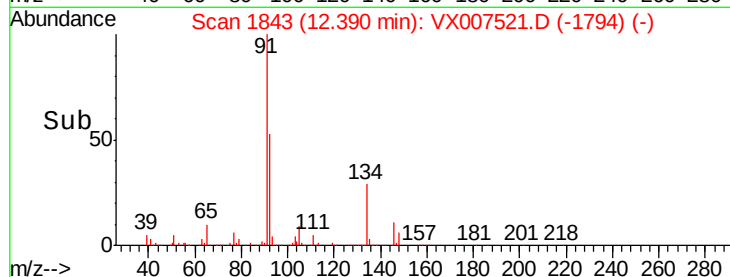
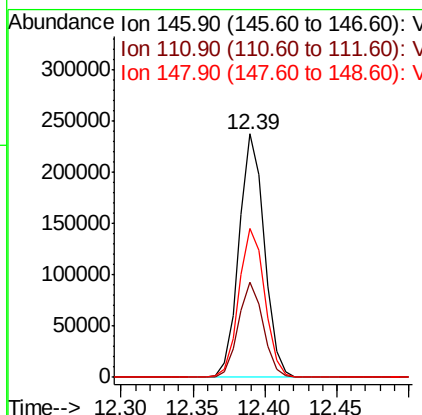
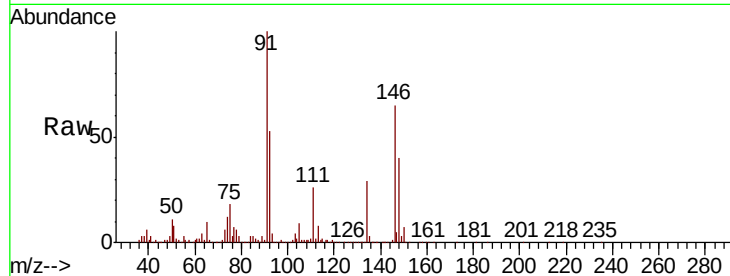
#91
 1,2-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	289634		
111	38.5	19.1	57.3	
148	62.6	32.1	96.3	

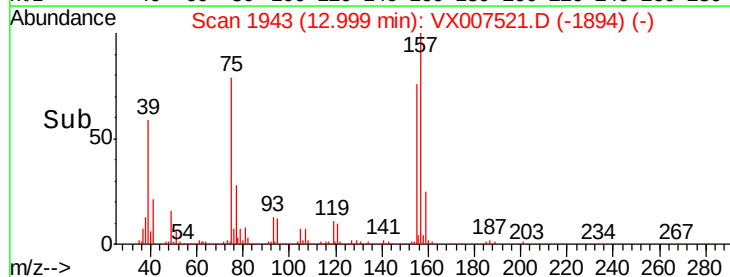
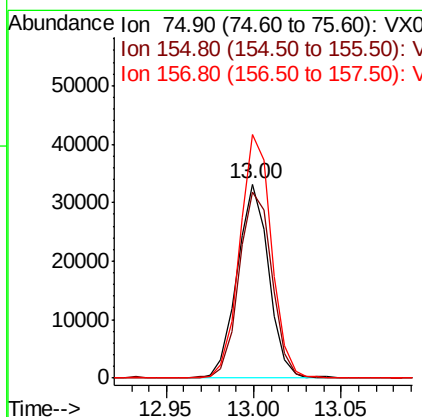
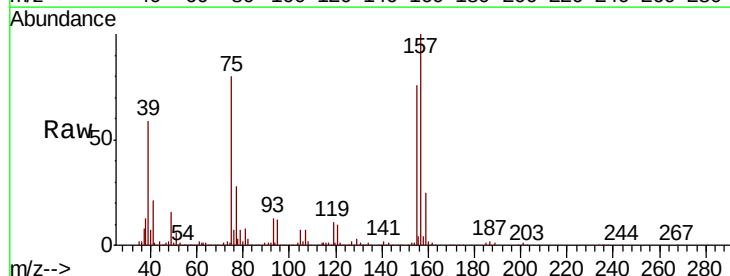
Manual Integrations
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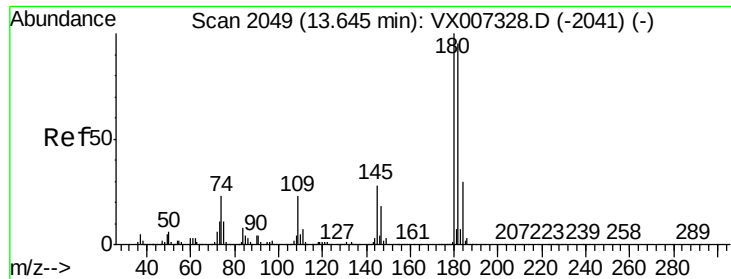
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.497 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41568		
155	99.8	49.6	149.0	
157	126.4	65.1	195.3	





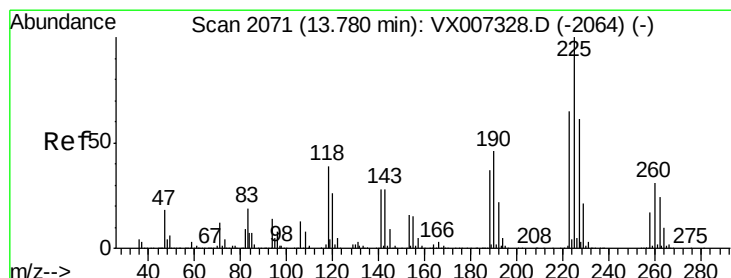
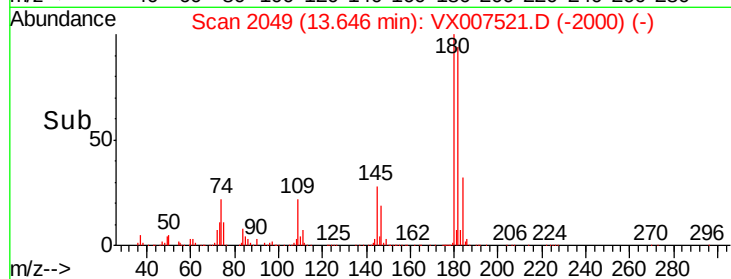
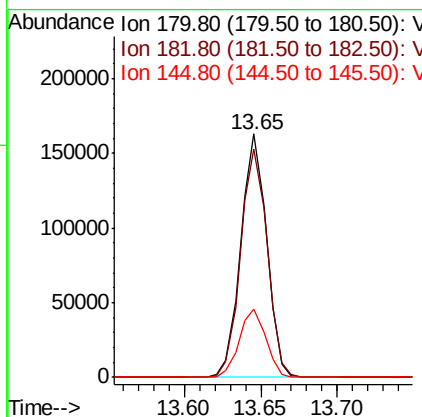
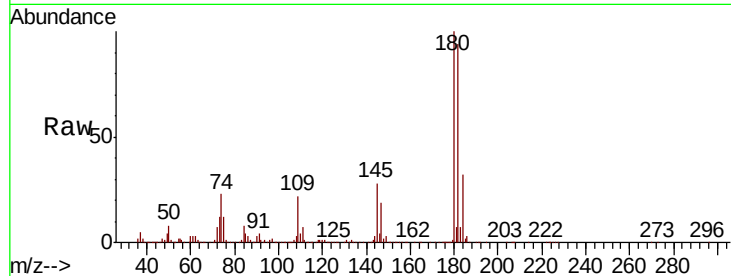
#93
 1,2,4-Trichlorobenzene
 Concen: 19.290 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190880		
182	96.3	47.8	143.3	
145	29.0	14.1	42.2	

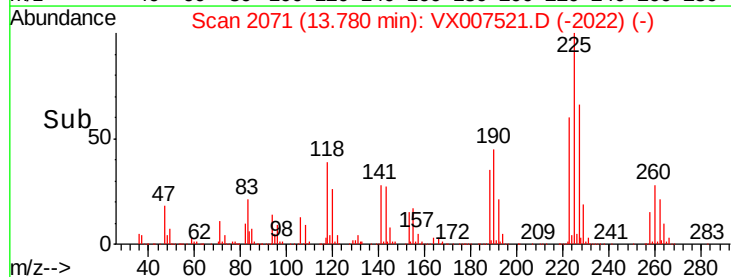
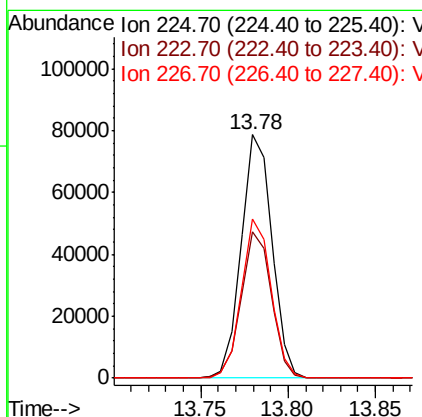
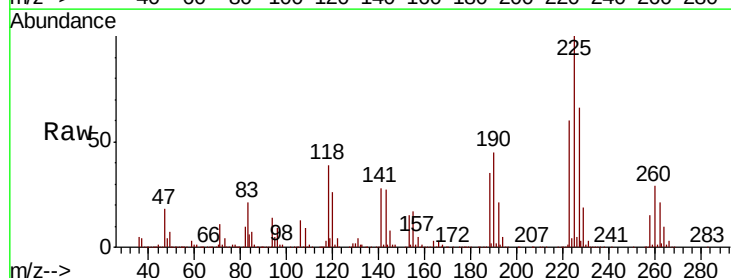
Manual Integrations
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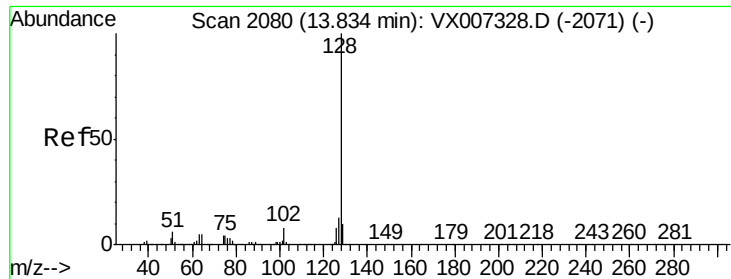
MMDadoda
 2/14/2019 10:57:10 AM



#94
 Hexachlorobutadiene
 Concen: 20.080 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007521.D
 Acq: 13 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96481		
223	59.2	31.6	94.8	
227	63.5	32.1	96.3	





#95

Naphthalene

Concen: 21.374 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Instrument :

MSVOA_X

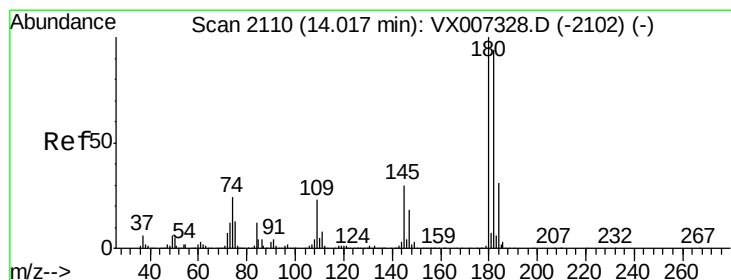
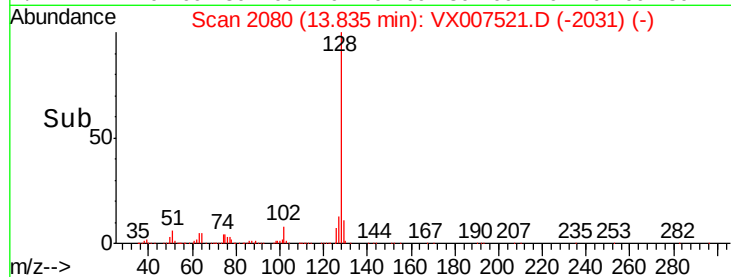
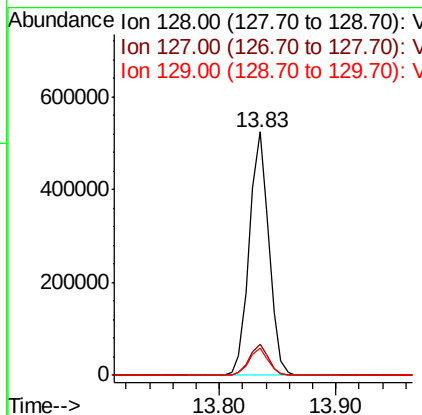
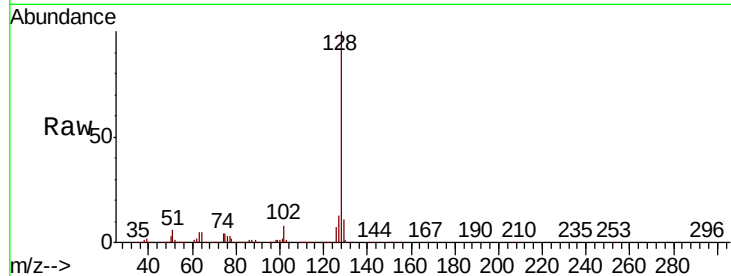
ClientSampleId :

VX0214WBSD01

Tot Ion:	128	Resp:	618501
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.293 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007521.D

Acq: 13 Feb 2019 15:37

Tgt Ion:	180	Resp:	192163
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.5	142.6
145	31.2	14.9	44.5

