

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005872.D
 Acq On : 09 Nov 2018 19:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:11:53 AM

Quant Time: Nov 12 01:14:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	109066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	148413	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	130548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	74393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	62846	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	5.51	113	51150	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	8.71	98	172333	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.14	95	64738	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50979	51.842	ug/l	94
3) Chloromethane	1.32	50	69992	54.235	ug/l	93
4) Vinyl Chloride	1.41	62	65352	50.443	ug/l	97
5) Bromomethane	1.64	94	33774	42.599	ug/l	100
6) Chloroethane	1.71	64	38569	49.894	ug/l	99
7) Trichlorofluoromethane	1.92	101	86871	50.515	ug/l	99
8) Diethyl Ether	2.19	74	32627	48.419	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48275	48.809	ug/l	98
10) Methyl Iodide	2.51	142	60002	50.055	ug/l	100
11) Tert butyl alcohol	3.07	59	88117	245.324	ug/l	100
12) 1,1-Dichloroethene	2.37	96	45996	47.713	ug/l	97
13) Acrolein	2.29	56	40200	235.896	ug/l	98
14) Allyl chloride	2.73	41	106774	49.592	ug/l	99
15) Acrylonitrile	3.15	53	193128	259.451	ug/l	98
16) Acetone	2.45	43	175565	260.055	ug/l	97
17) Carbon Disulfide	2.57	76	138171	48.051	ug/l	97
18) Methyl Acetate	2.78	43	107108	59.483	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	173424	52.708	ug/l	92
20) Methylene Chloride	2.85	84	52137	47.014	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	50303	49.472	ug/l	91
22) Diisopropyl ether	3.87	45	194114	51.466	ug/l	97
23) Vinyl Acetate	3.82	43	874559	270.436	ug/l	99
24) 1,1-Dichloroethane	3.70	63	102363	50.870	ug/l	99
25) 2-Butanone	4.70	43	265557	250.201	ug/l	99
26) 2,2-Dichloropropane	4.58	77	69311	46.956	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	56042	49.915	ug/l	98
28) Bromochloromethane	5.02	49	47277	52.570	ug/l	98
29) Tetrahydrofuran	5.16	42	183836	269.759	ug/l	98
30) Chloroform	5.21	83	96771	49.847	ug/l	96
31) Cyclohexane	5.57	56	88562	50.701	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	84880	52.418	ug/l	99
36) 1,1-Dichloropropene	5.80	75	73710	51.519	ug/l	100
37) Ethyl Acetate	4.85	43	98186	52.186	ug/l	99
38) Carbon Tetrachloride	5.77	117	76779	53.604	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	77598	53.512	ug/l	96
40) Benzene	6.14	78	230691	55.309	ug/l	96
41) Methacrylonitrile	5.06	41	53772	52.892	ug/l	98
42) 1,2-Dichloroethane	6.20	62	79864	53.459	ug/l	99
43) Isopropyl Acetate	6.46	43	150391	55.164	ug/l	99
44) Trichloroethene	7.21	130	55266	52.176	ug/l	90
45) 1,2-Dichloropropane	7.52	63	53965	53.306	ug/l	95
46) Dibromomethane	7.66	93	33192	52.249	ug/l	99
47) Bromodichloromethane	7.90	83	66018	54.989	ug/l	99
48) Methyl methacrylate	7.77	41	67654	55.267	ug/l	100
49) 1,4-Dioxane	7.76	88	29601	1122.171	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	460774	268.175	ug/l	98
52) Toluene	8.79	92	119176	51.125	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	73051	51.561	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	79387	54.975	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	49388	47.539	ug/l	95
56) Ethyl methacrylate	9.18	69	78050	50.210	ug/l	99
57) 1,3-Dichloropropane	9.37	76	82630	47.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	233773	275.130	ug/l	96
59) 2-Hexanone	9.50	43	367197	242.454	ug/l	100
60) Dibromochloromethane	9.58	129	52981	47.187	ug/l	99
61) 1,2-Dibromoethane	9.67	107	52249	45.482	ug/l	99
64) Tetrachloroethene	9.33	164	52253	47.012	ug/l	99
65) Chlorobenzene	10.14	112	133616	51.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	49307	54.230	ug/l	99
67) Ethyl Benzene	10.25	91	231897	55.297	ug/l	100
68) m/p-Xylenes	10.36	106	179091	111.957	ug/l	99
69) o-Xylene	10.70	106	85737	59.772	ug/l	99
70) Styrene	10.71	104	144393	61.023	ug/l	99
71) Bromoform	10.86	173	44690	58.634	ug/l #	97
73) Isopropylbenzene	11.02	105	237480	55.202	ug/l	100
74) N-amyl acetate	10.90	43	121312	50.250	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	82195	52.053	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	79297m	52.348	ug/l	
77) Bromobenzene	11.26	156	62186	51.284	ug/l	100
78) n-propylbenzene	11.36	91	275484	54.335	ug/l	99
79) 2-Chlorotoluene	11.42	91	162730	53.101	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	204962	56.064	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	25538	53.732	ug/l	96
82) 4-Chlorotoluene	11.51	91	194848	53.949	ug/l	99
83) tert-Butylbenzene	11.77	119	200617	54.242	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	209199	51.856	ug/l	100
85) sec-Butylbenzene	11.94	105	243206	53.774	ug/l	100
86) p-Isopropyltoluene	12.07	119	217986	54.413	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	115562	49.659	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	117184	49.190	ug/l	99
89) n-Butylbenzene	12.39	91	192775	51.920	ug/l	100
90) Hexachloroethane	12.60	117	36836	55.073	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	117207	50.277	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21095	54.746	ug/l	99

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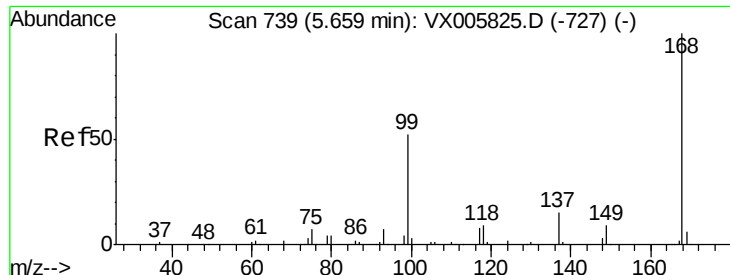
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	87390	53.250	ug/l	100
94) Hexachlorobutadiene	13.79	225	43204	50.116	ug/l	97
95) Naphthalene	13.83	128	273431	51.063	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	89919	53.781	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 109066

Ion Ratio Lower Upper

168 100

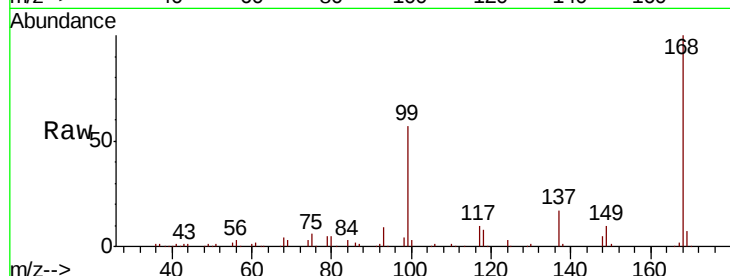
99 56.6 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

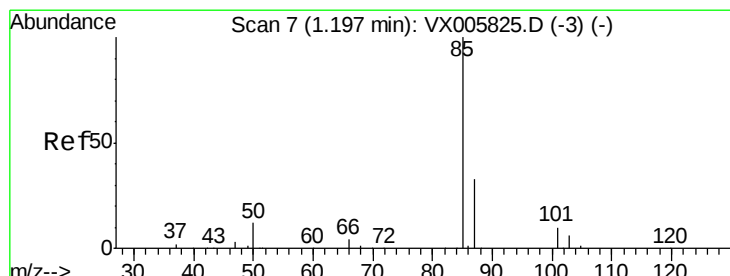
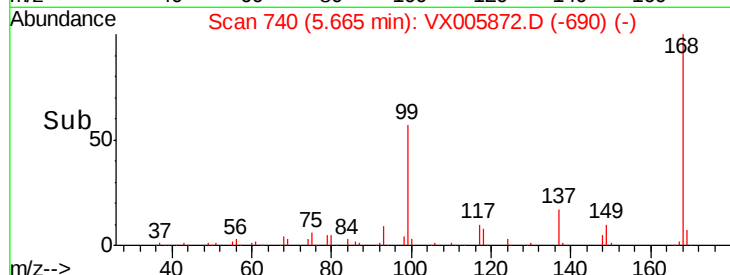
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10000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 51.842 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005872.D

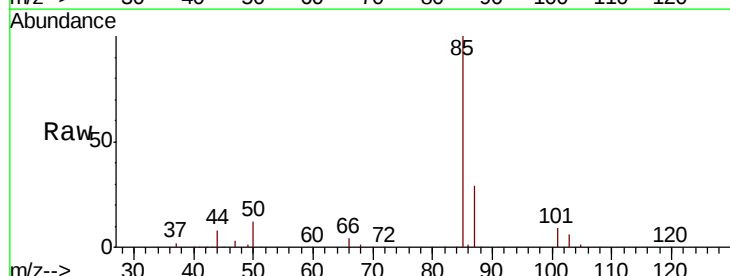
Acq: 09 Nov 2018 19:58

Tgt Ion: 85 Resp: 50979

Ion Ratio Lower Upper

85 100

87 29.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

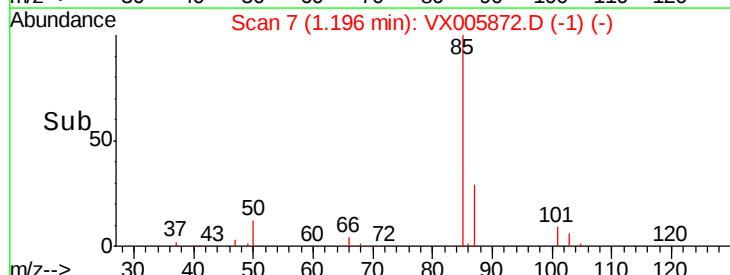
20000

10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 54.235 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 69992

Ion Ratio Lower Upper

50 100

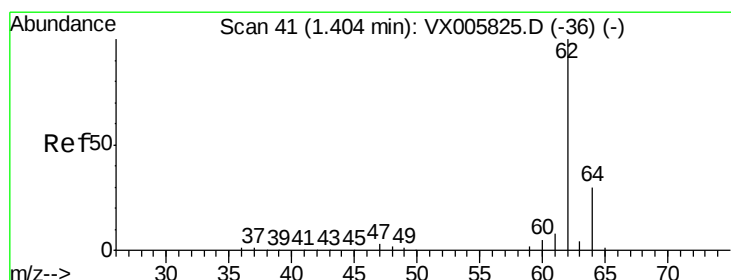
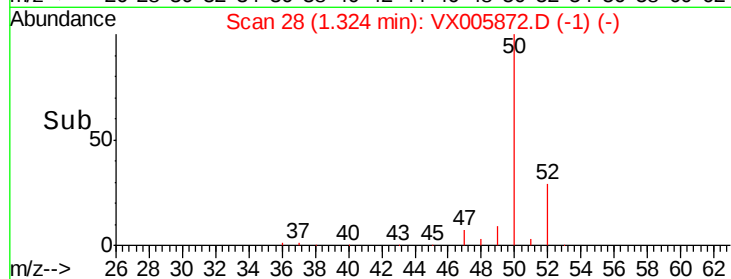
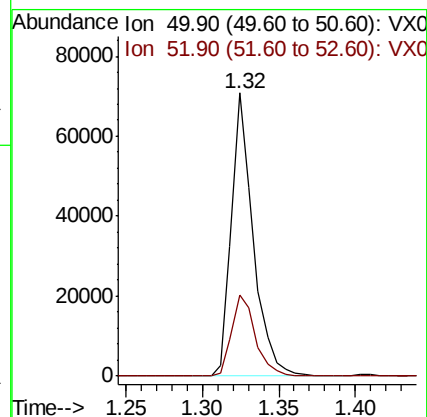
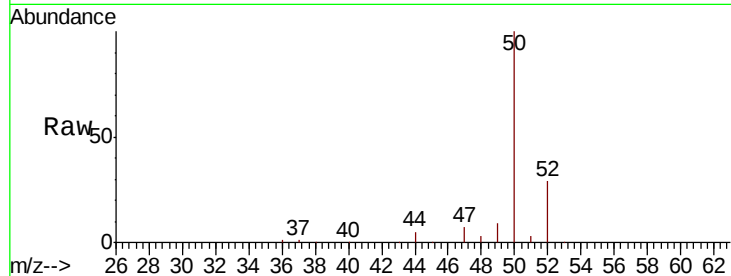
52 28.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.443 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005872.D

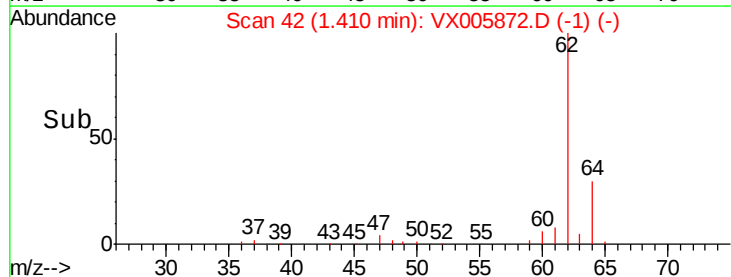
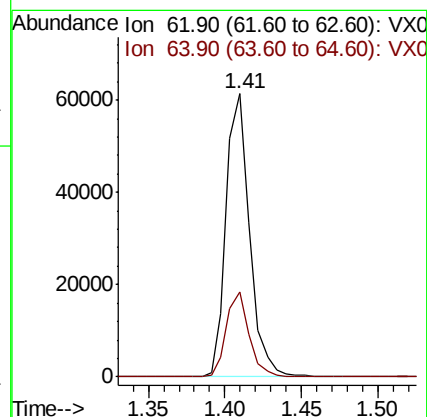
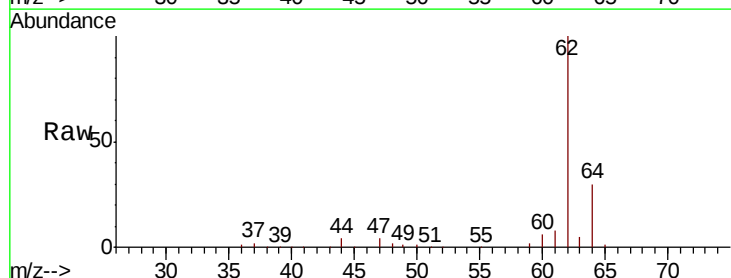
Acq: 09 Nov 2018 19:58

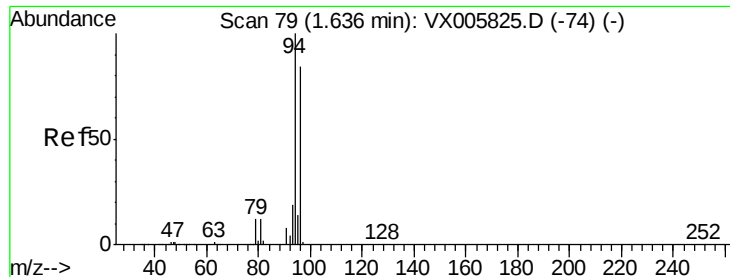
Tgt Ion: 62 Resp: 65352

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 42.599 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 33774

Ion Ratio Lower Upper

94 100

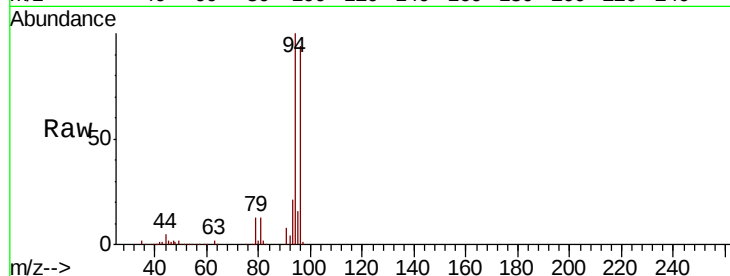
96 94.4 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

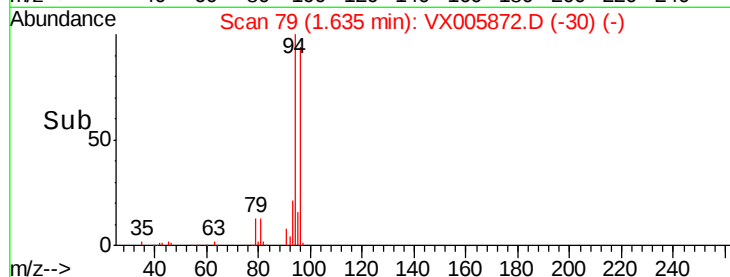
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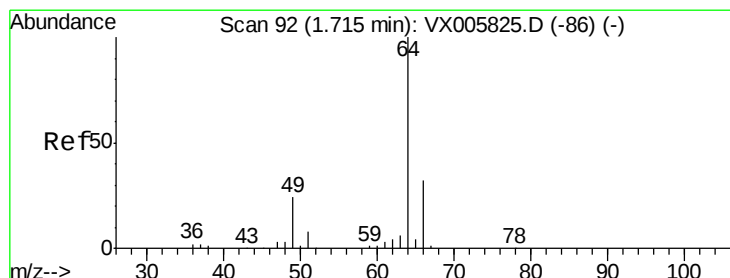
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0

Time-->



Time-->



#6

Chloroethane

Concen: 49.894 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005872.D

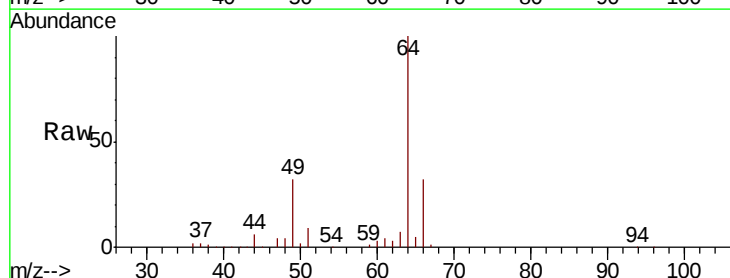
Acq: 09 Nov 2018 19:58

Tgt Ion: 64 Resp: 38569

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

30000

25000

20000

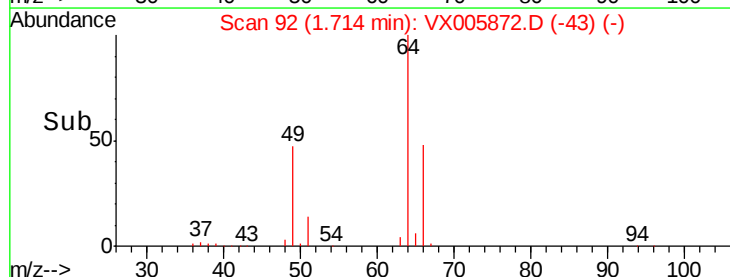
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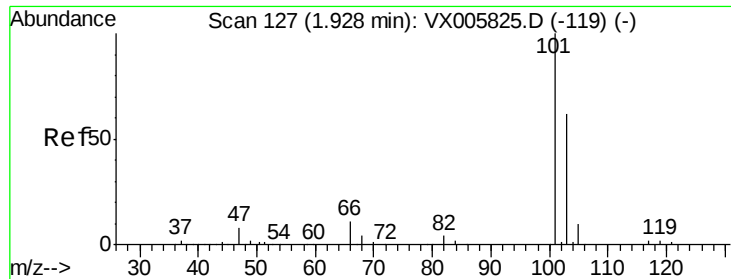
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Time-->



Time-->



#7

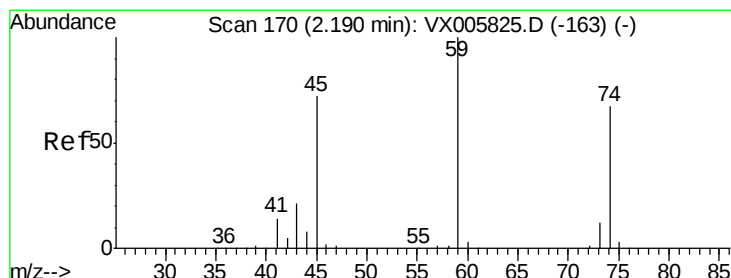
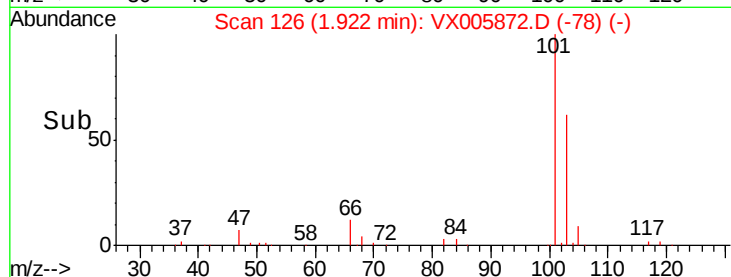
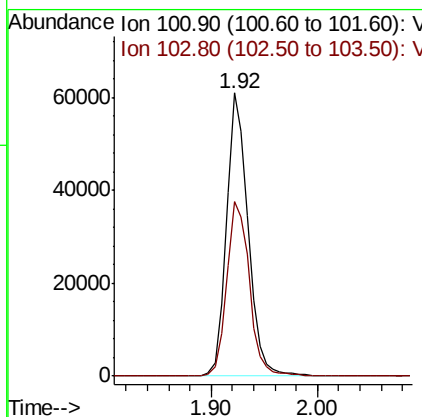
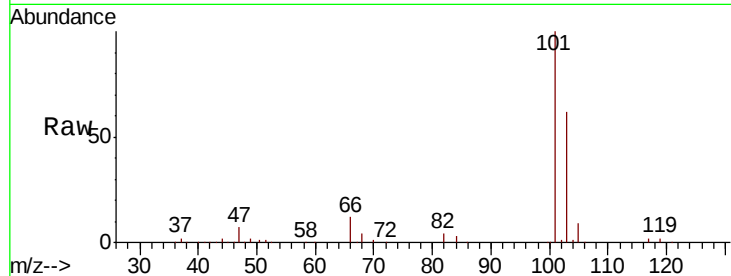
Trichlorofluoromethane
Concen: 50.515 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 86871
Ion Ratio Lower Upper
101 100
103 61.8 50.0 75.0

Manual Integrations
APPROVED

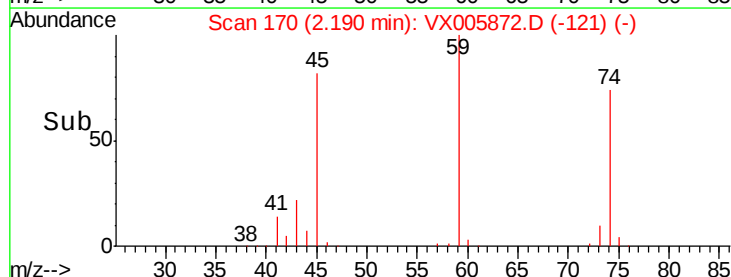
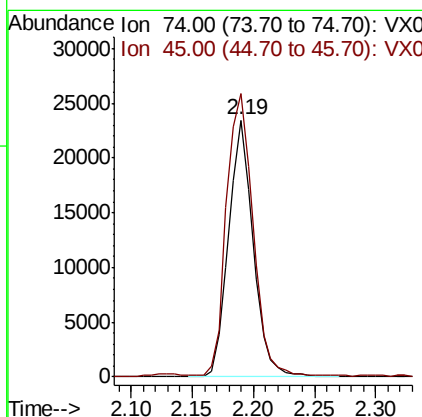
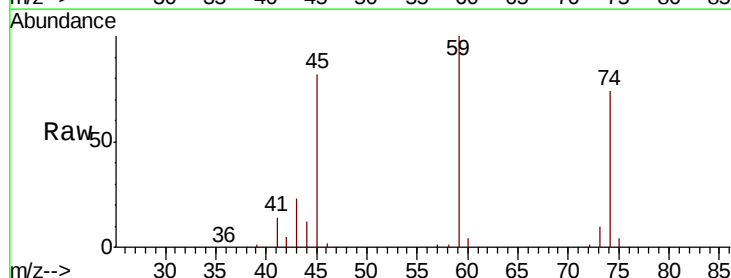
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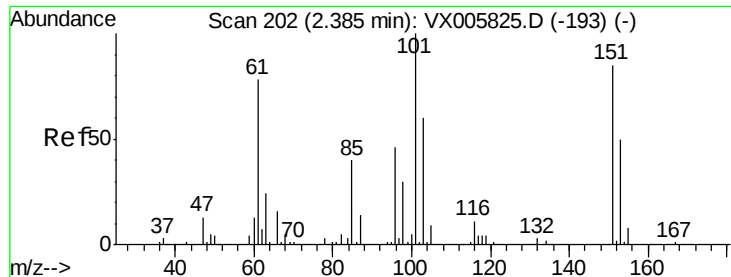


#8

Diethyl Ether
Concen: 48.419 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion: 74 Resp: 32627
Ion Ratio Lower Upper
74 100
45 119.0 54.1 162.3





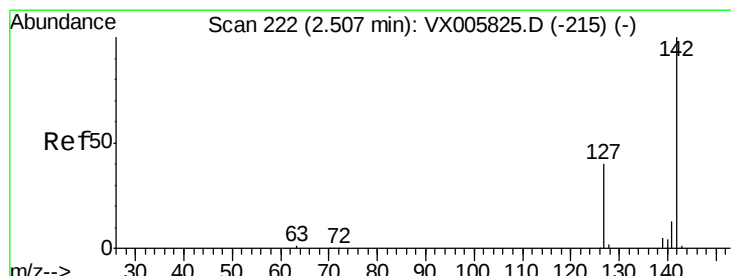
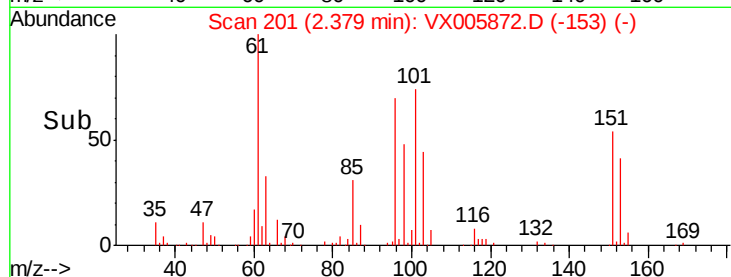
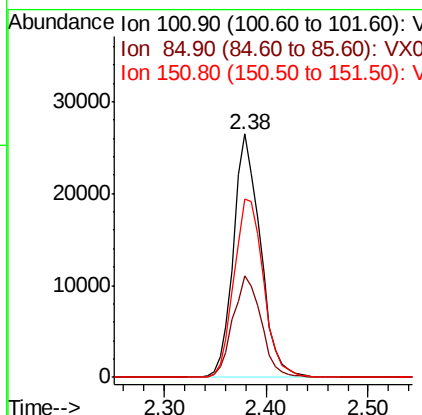
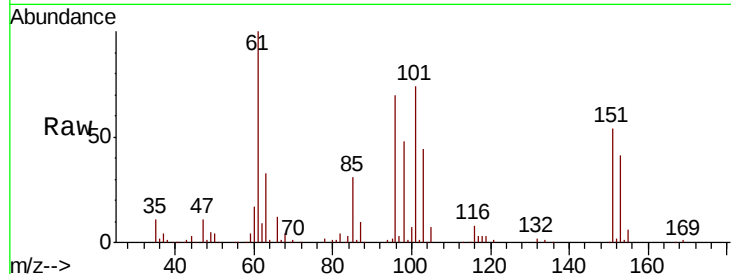
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.809 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.01 min
Lab File: VX005872.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.0	52.4
151	80.3	66.2	99.2

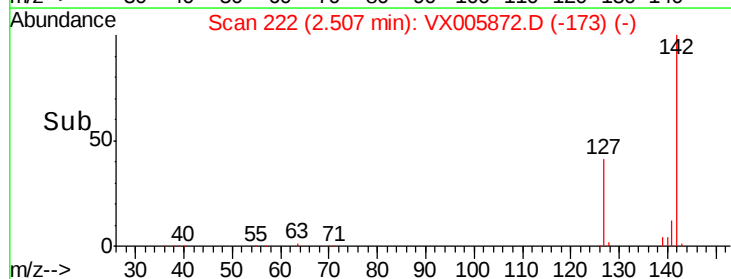
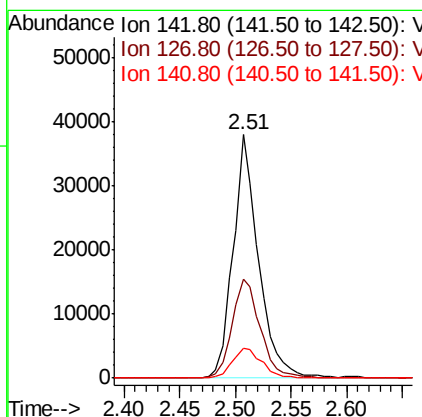
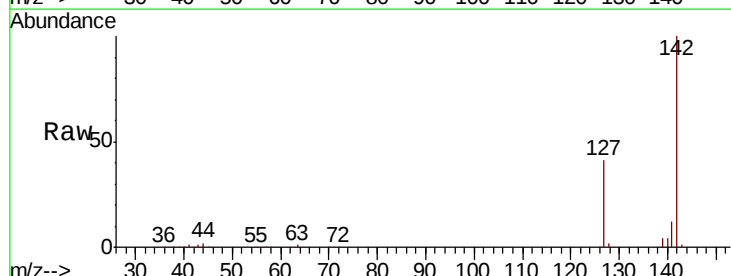
Manual Integrations
APPROVED

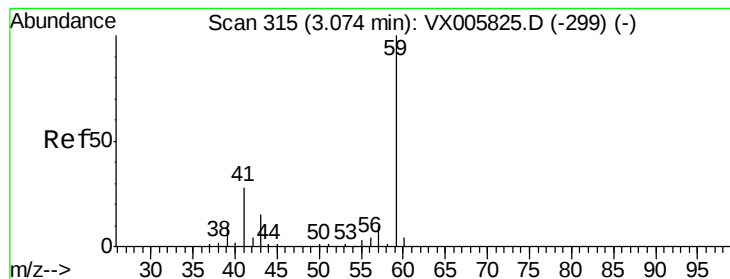
MMDadoda
11/12/2018 9:11:53 AM



#10
Methyl Iodide
Concen: 50.055 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.9	36.0	54.0
141	14.2	11.7	17.5





#11

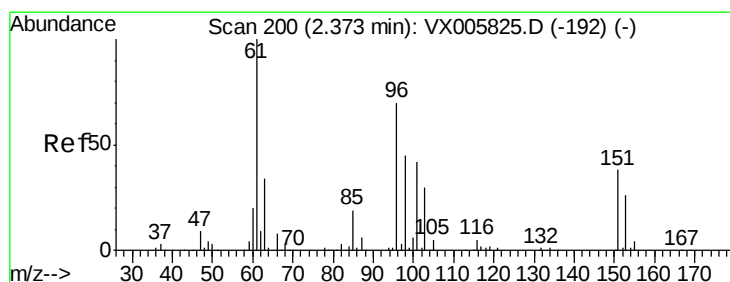
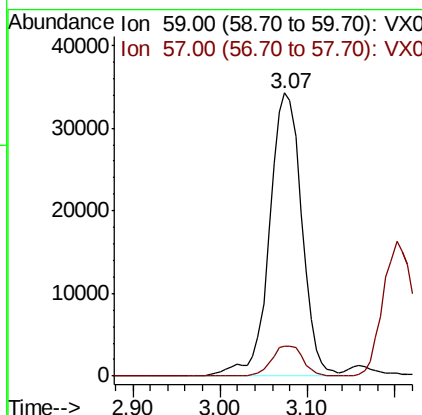
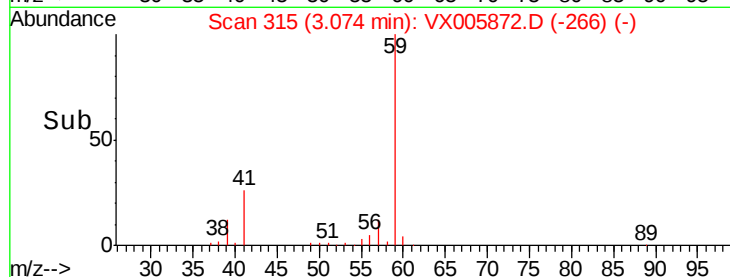
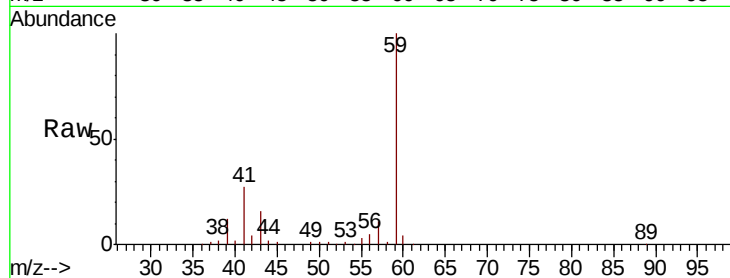
Tert butyl alcohol
Concen: 245.324 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
APPROVED

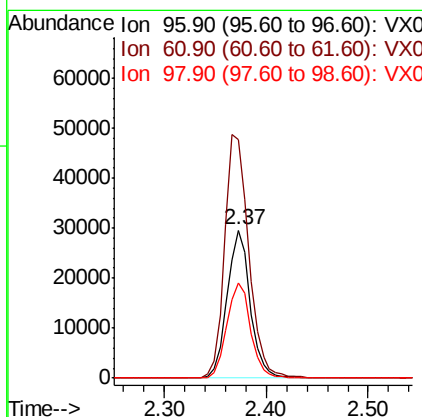
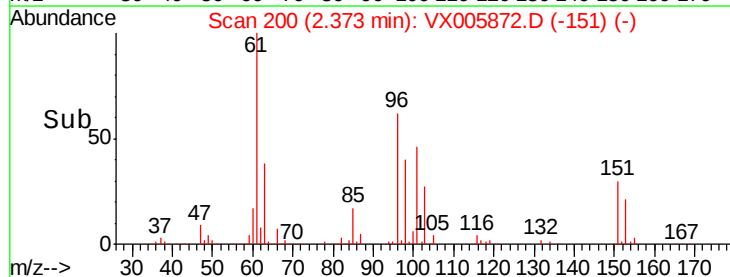
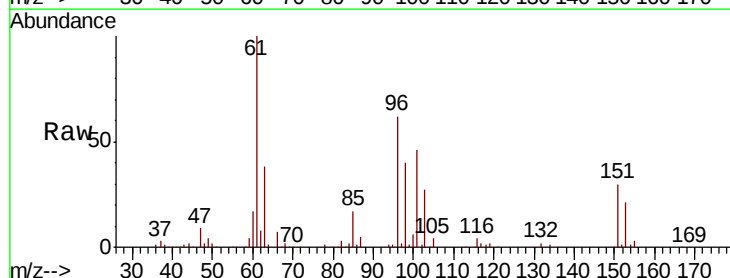
MMDadoda
11/12/2018 9:11:53 AM

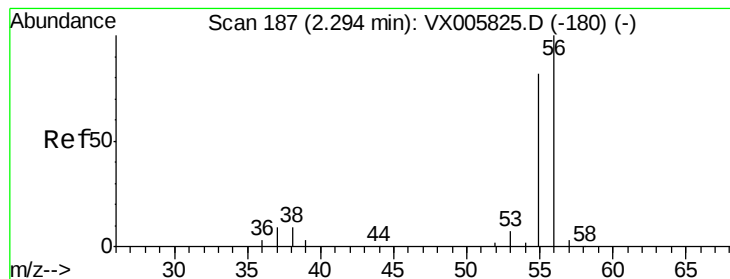


#12

1,1-Dichloroethene
Concen: 47.713 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	131.8	197.8
98	64.2	53.4	80.2





#13

Acrolein

Concen: 235.896 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 40200

Ion Ratio Lower Upper

56 100

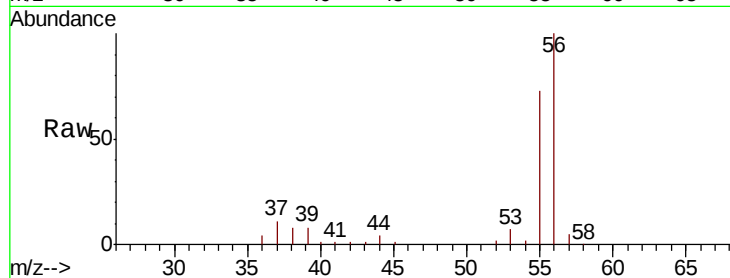
55 73.6 57.3 85.9

Manual Integrations

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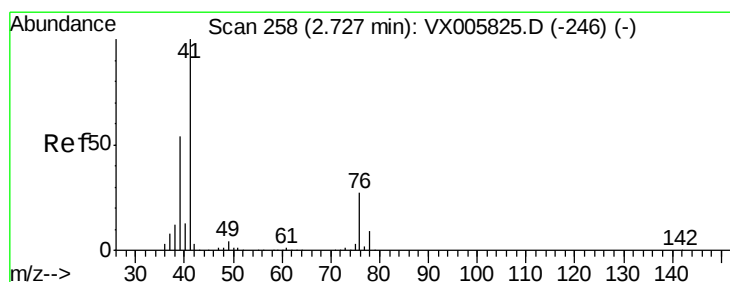
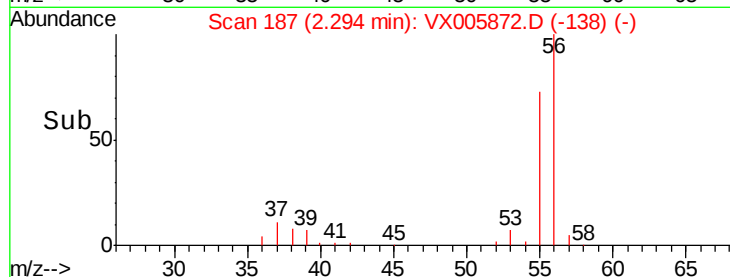
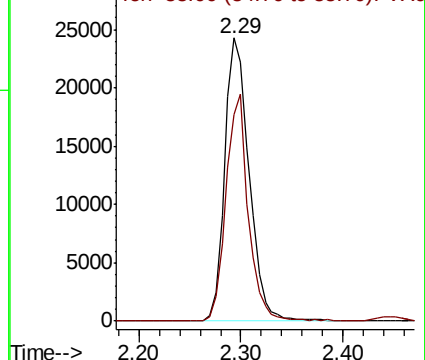
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.592 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

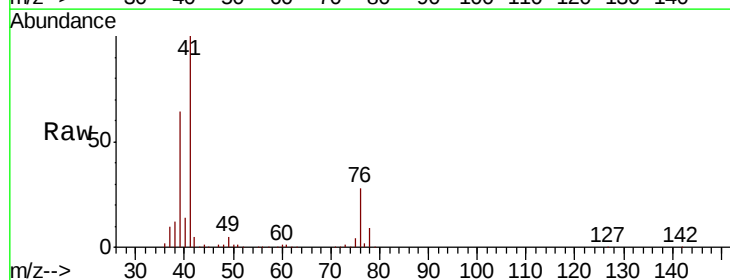
Tgt Ion: 41 Resp: 106774

Ion Ratio Lower Upper

41 100

39 59.5 48.2 72.4

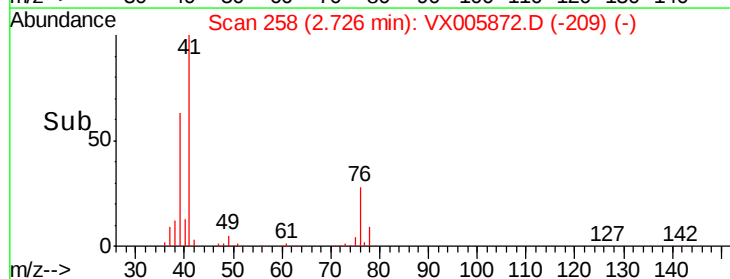
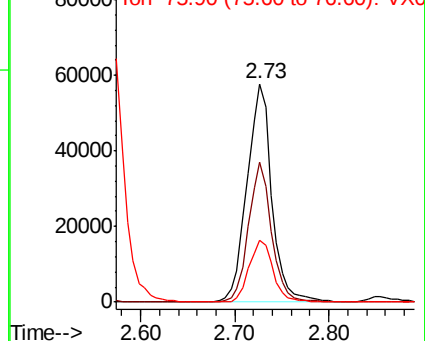
76 27.5 21.9 32.9

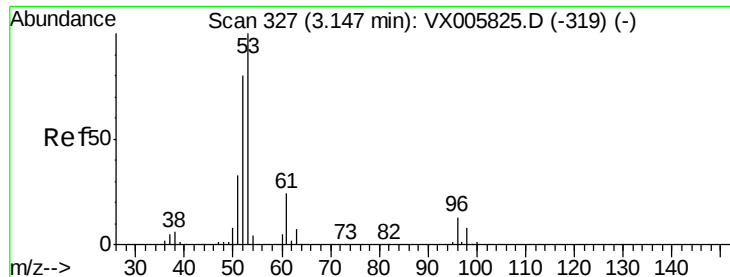


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 259.451 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

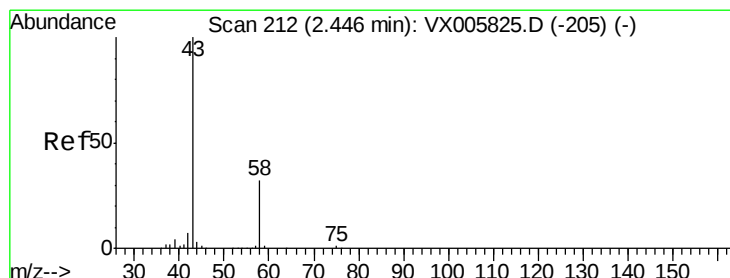
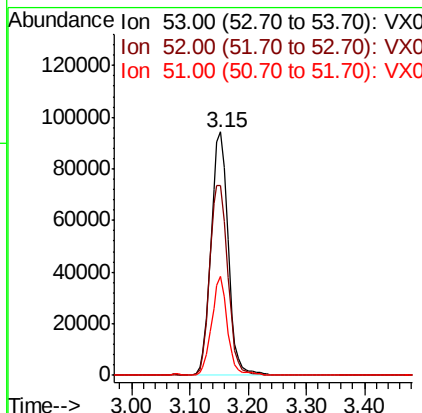
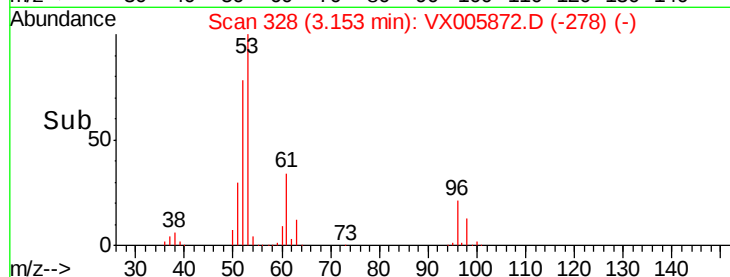
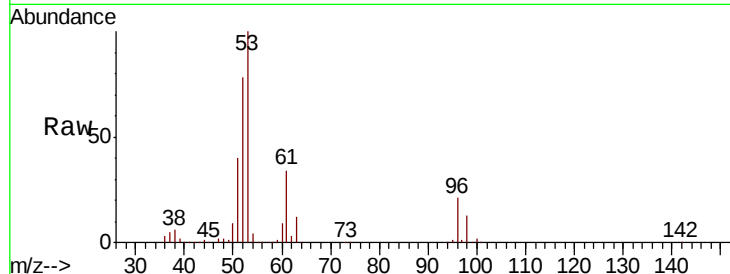
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	193128
Ion Ratio		Lower	Upper
53	100		
52	81.8	66.6	99.8
51	37.0	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:11:53 AM



#16

Acetone

Concen: 260.055 ug/l

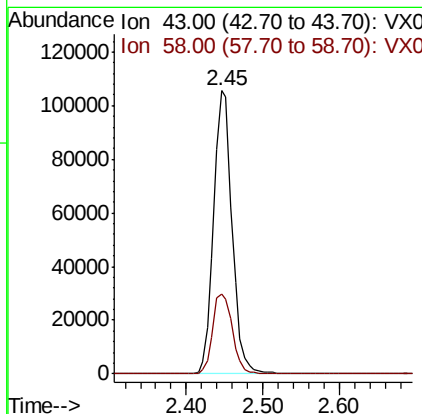
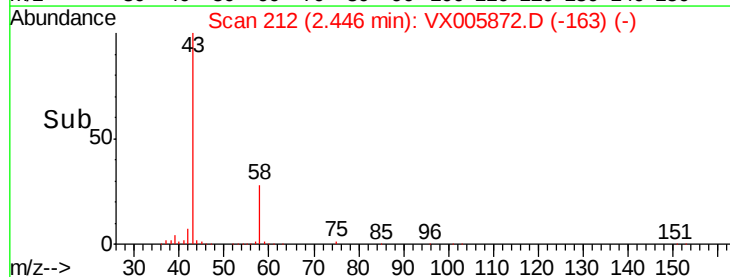
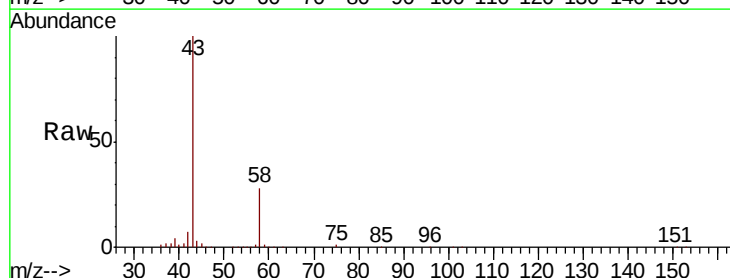
RT: 2.45 min Scan# 212

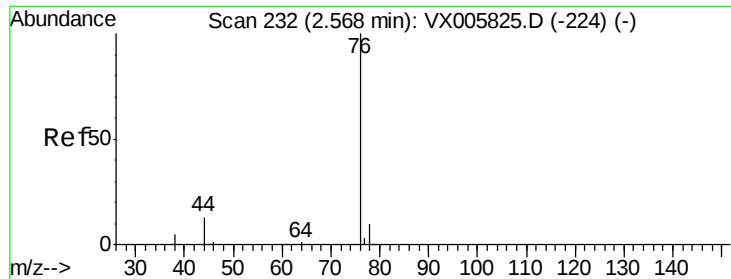
Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Tgt Ion:	43	Resp:	175565
Ion Ratio		Lower	Upper
43	100		
58	28.2	23.8	35.6





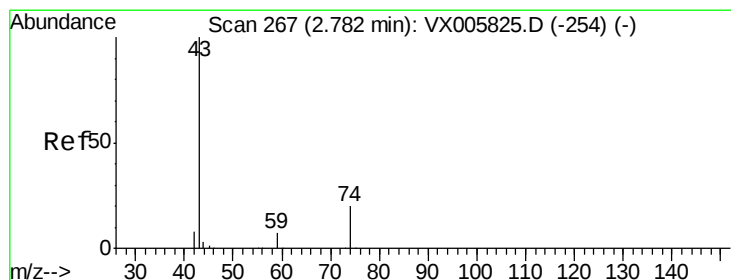
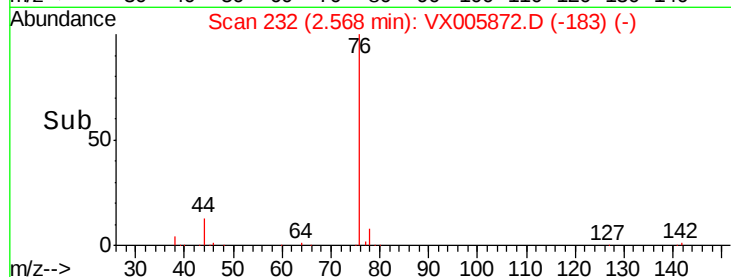
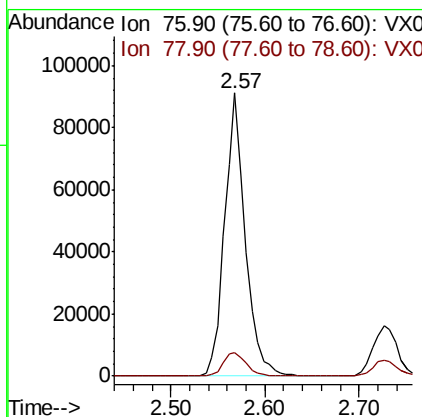
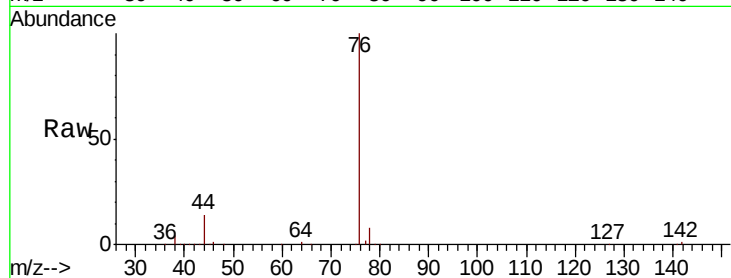
#17
Carbon Disulfide
Concen: 48.051 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.3	10.9

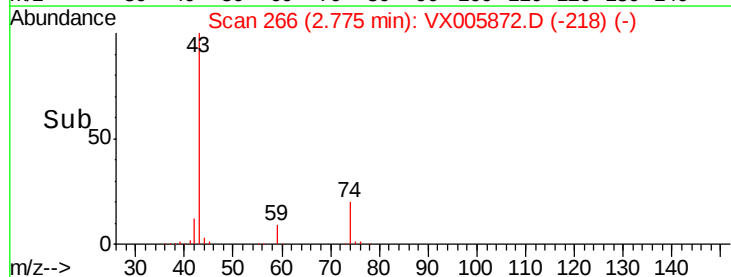
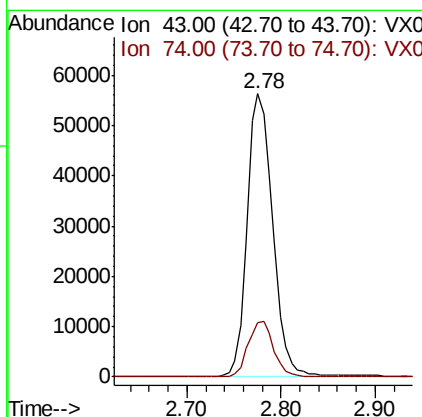
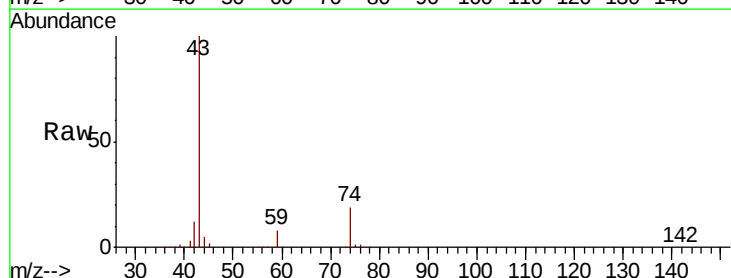
Manual Integrations
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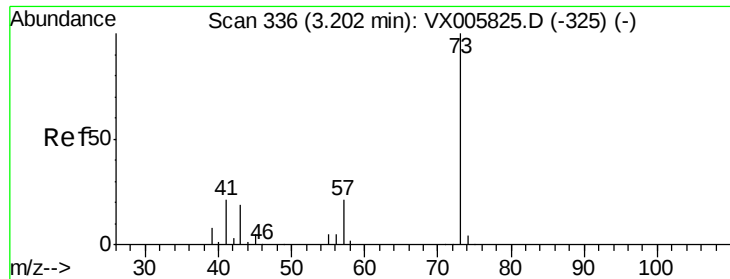
MMDadoda
11/12/2018 9:11:53 AM



#18
Methyl Acetate
Concen: 59.483 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.8	25.2





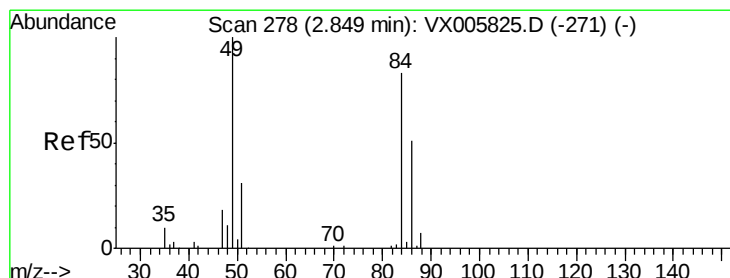
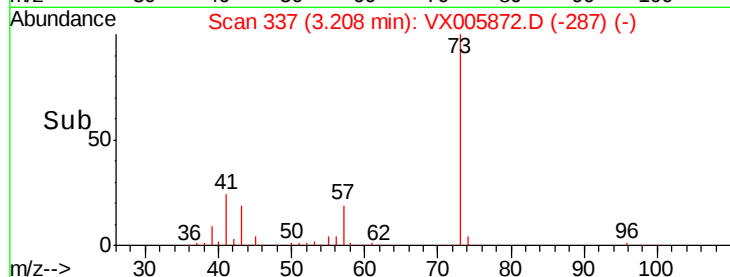
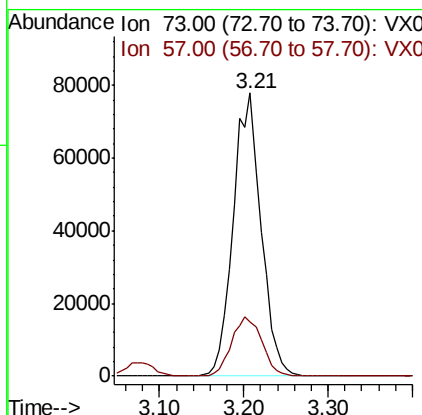
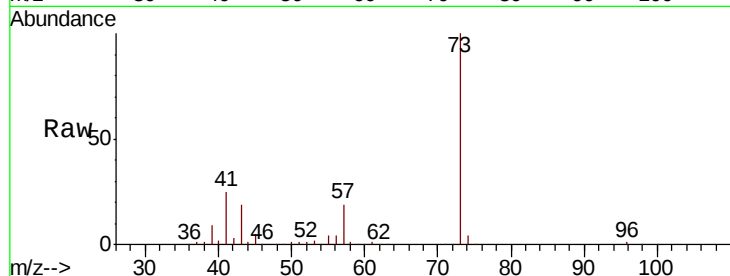
#19
Methvl tert-butvl Ether
Concen: 52.708 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 173424
Ion Ratio Lower Upper
73 100
57 19.4 18.8 28.2

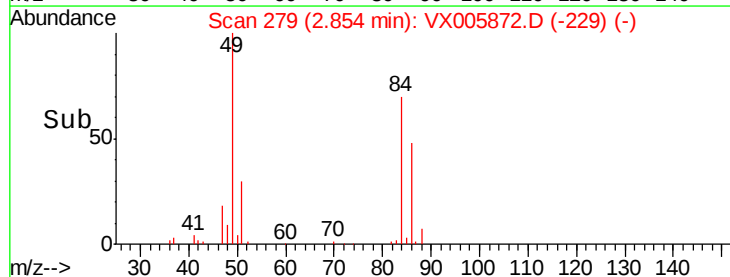
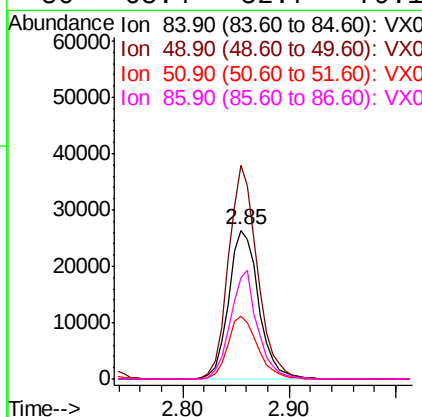
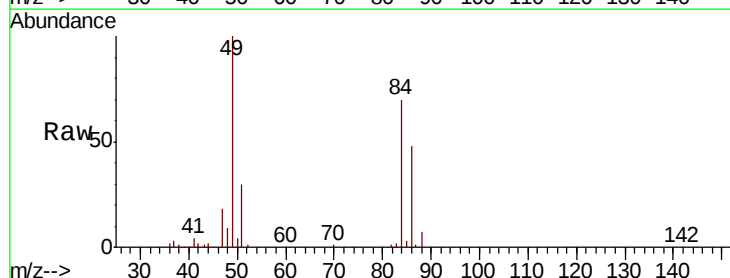
Manual Integrations
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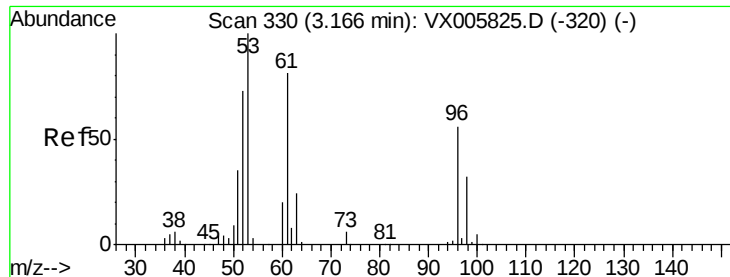
MMDadoda
11/12/2018 9:11:53 AM



#20
Methylene Chloride
Concen: 47.014 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion: 84 Resp: 52137
Ion Ratio Lower Upper
84 100
49 143.7 109.5 164.3
51 42.6 33.3 49.9
86 68.4 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 49.472 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

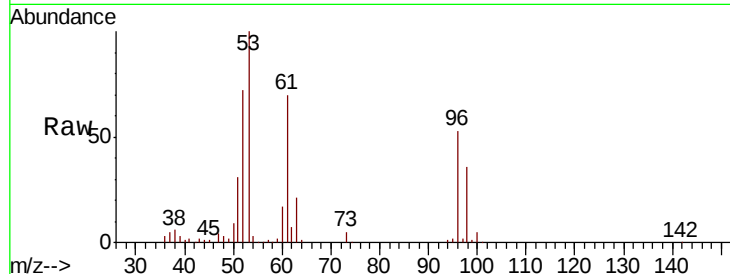
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	50303
Ion	Ratio	Lower	Upper
96	100		
61	133.4	115.6	173.4
98	69.1	50.2	75.2

Manual Integrations
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11/12/2018 9:11:53 AM

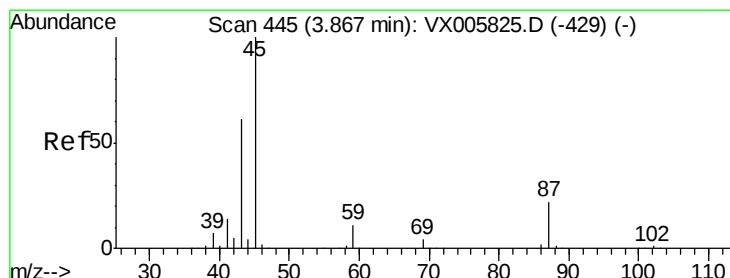
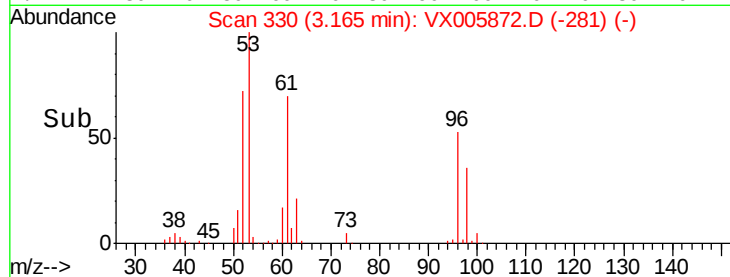
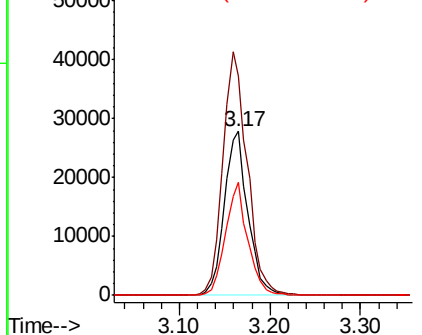


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.466 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Tgt Ion:	45	Resp:	194114
Ion	Ratio	Lower	Upper
45	100		
43	57.1	47.4	71.2
87	22.1	15.9	23.9
59	11.0	7.7	11.5

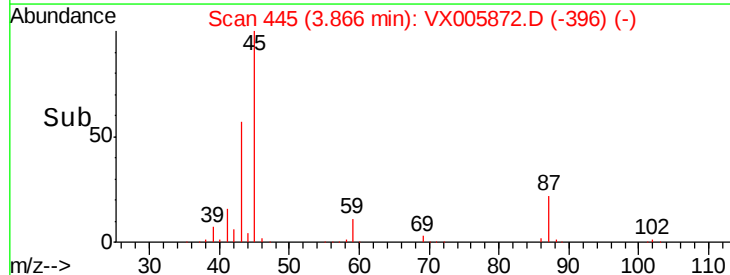
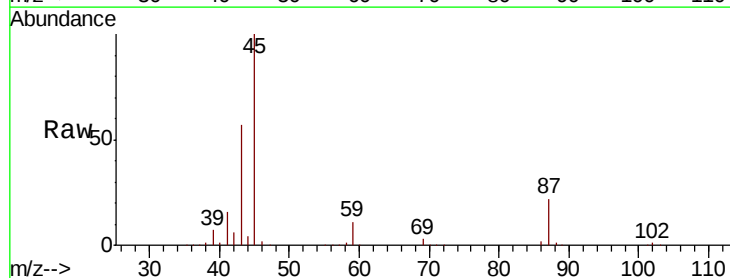
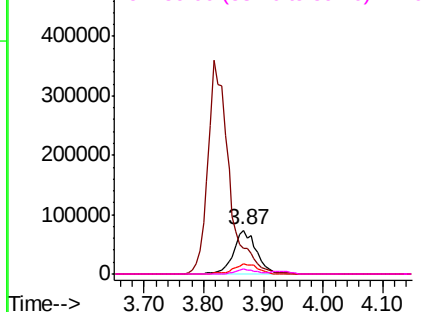
Abundance

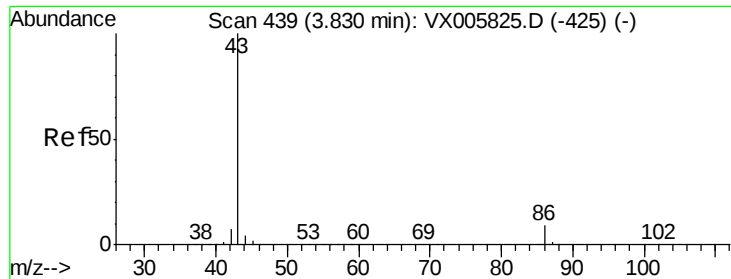
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 270.436 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 874559

Ion Ratio Lower Upper

43 100

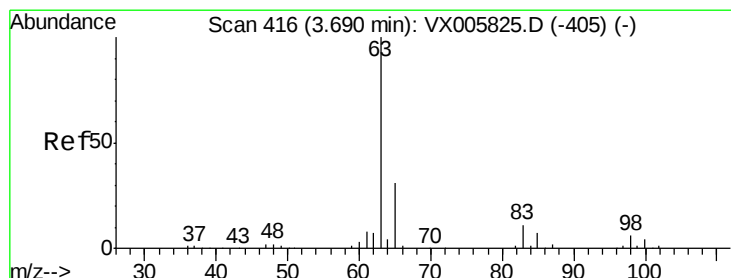
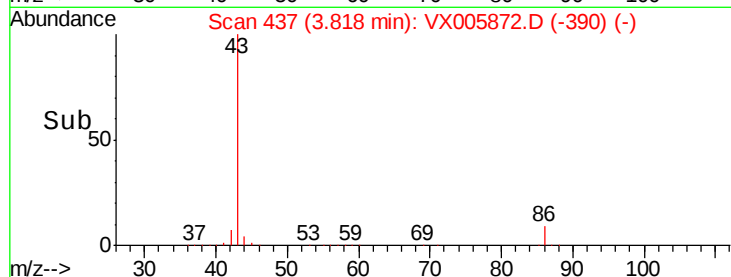
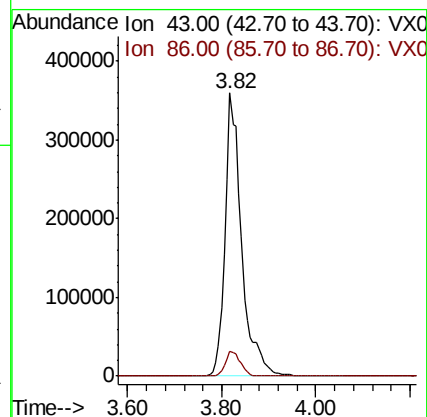
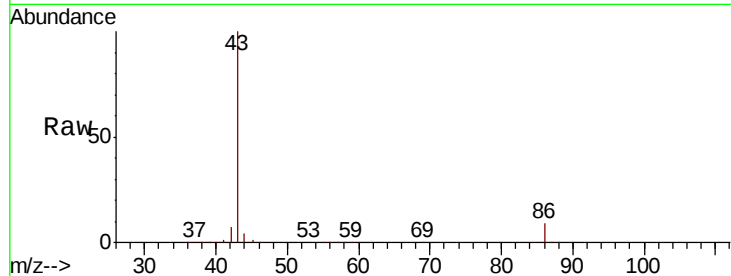
86 9.0 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.870 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

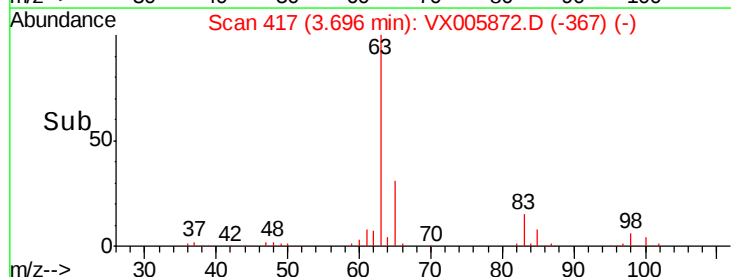
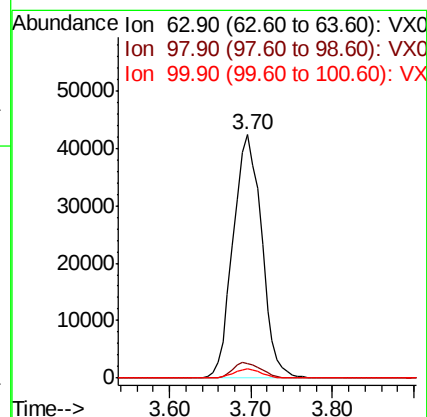
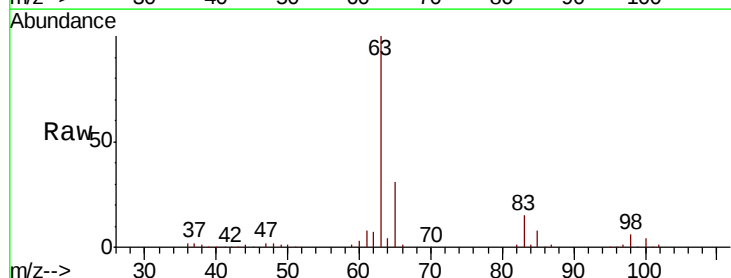
Tgt Ion: 63 Resp: 102363

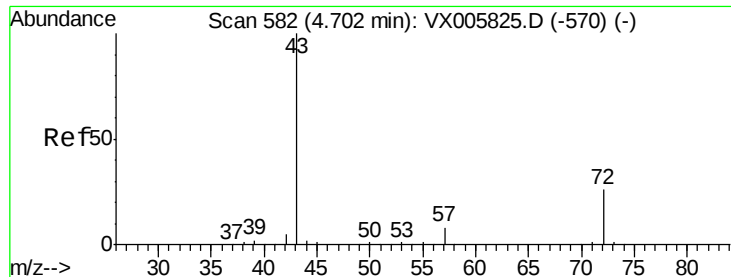
Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 250.201 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 265557

Ion Ratio Lower Upper

43 100

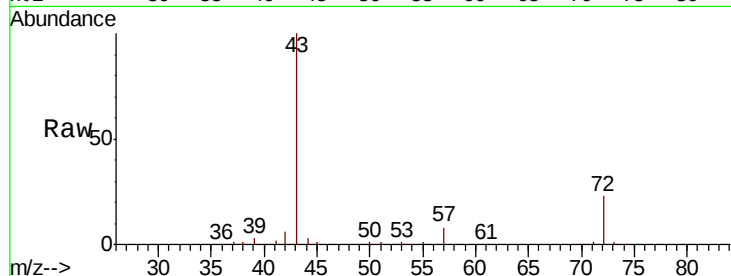
72 23.3 19.2 28.8

Manual Integrations

APPROVED

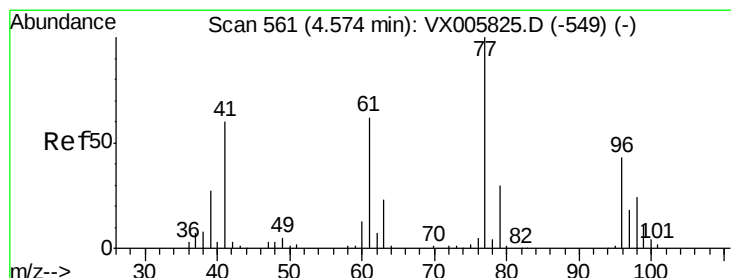
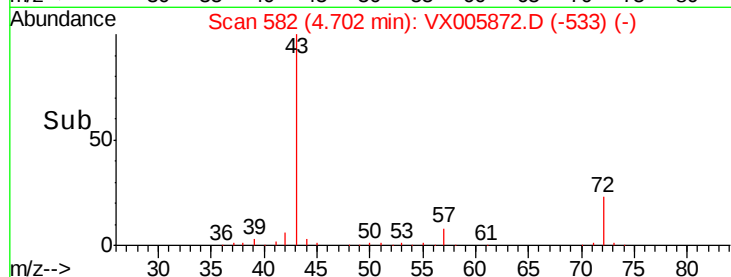
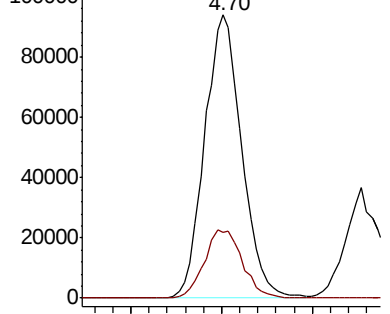
MMDadoda

11/12/2018 9:11:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.956 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005872.D

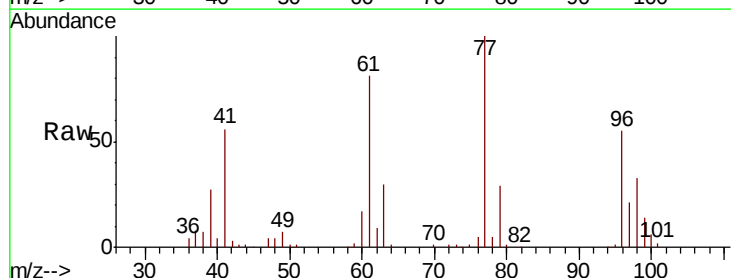
Acq: 09 Nov 2018 19:58

Tgt Ion: 77 Resp: 69311

Ion Ratio Lower Upper

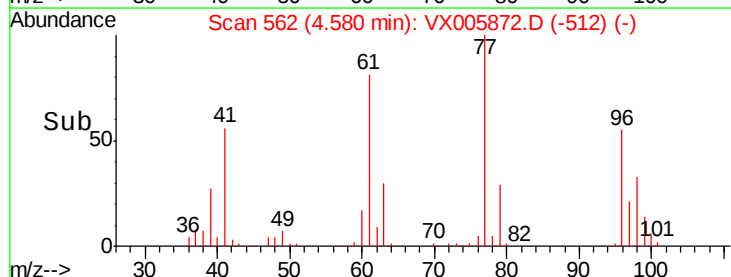
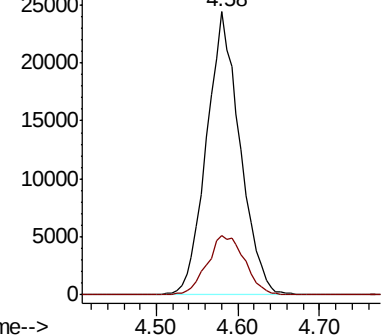
77 100

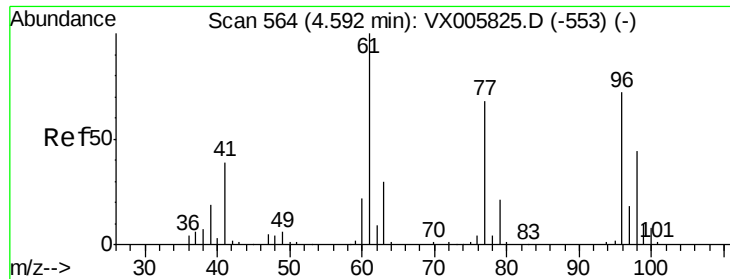
97 23.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

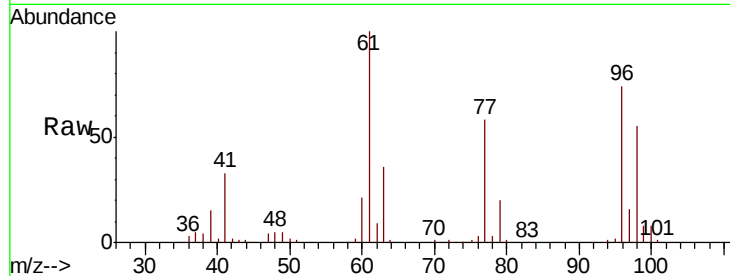
cis-1,2-Dichloroethene
Concen: 49.915 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	304.6
98	65.7	0.0	127.4

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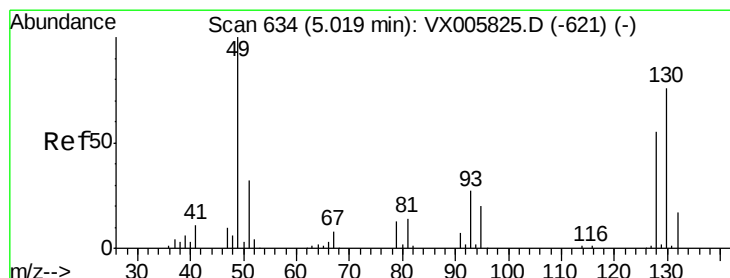
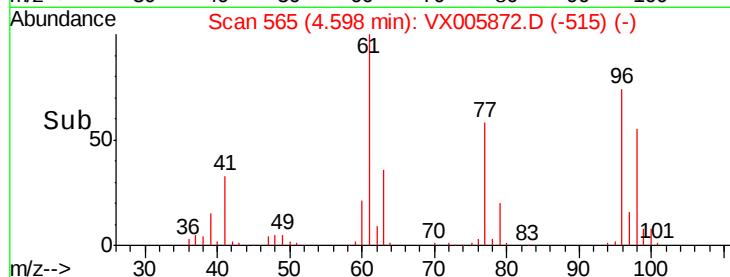
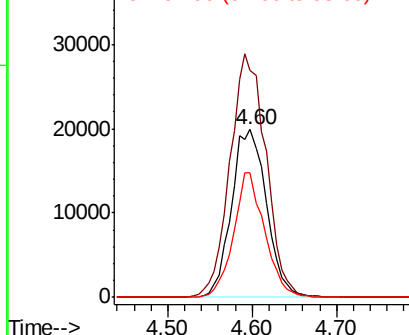


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

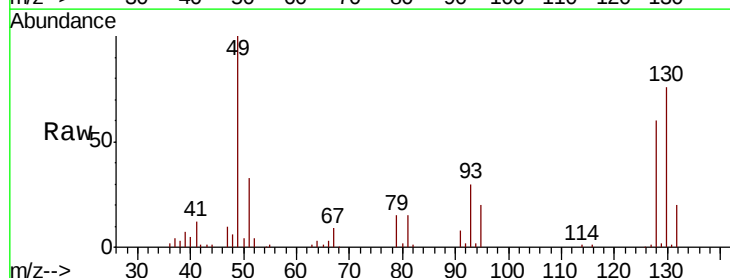
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 52.570 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	75.2	58.9	88.3

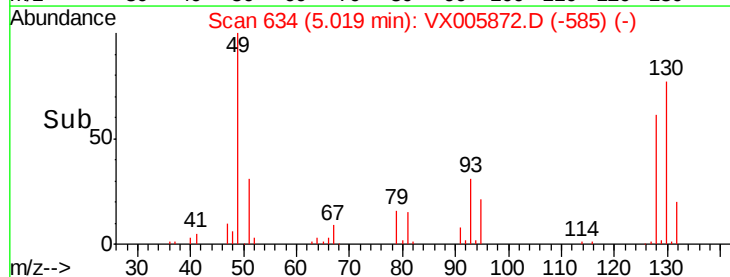
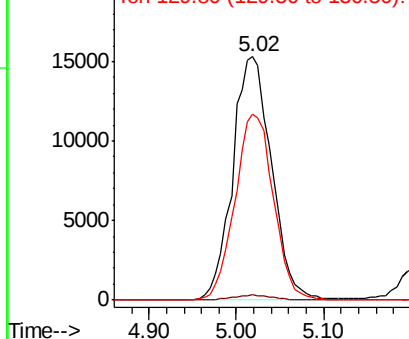


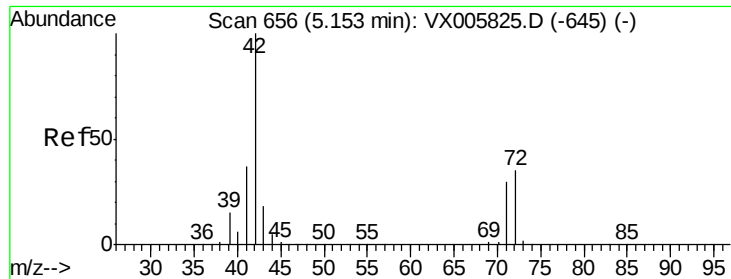
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





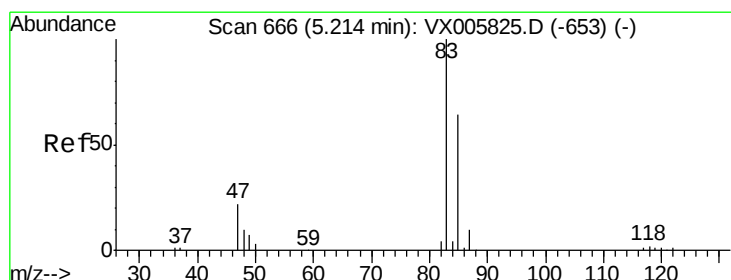
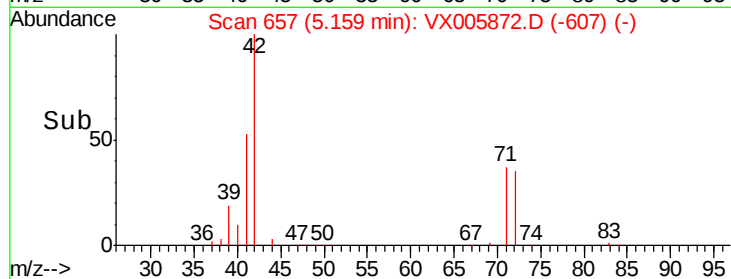
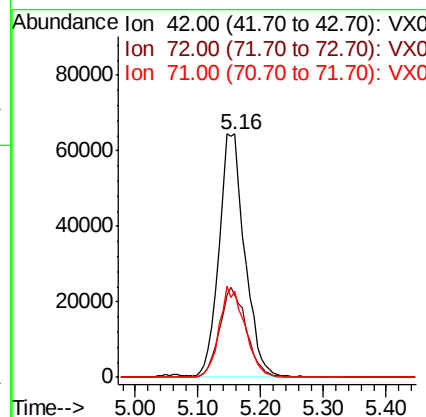
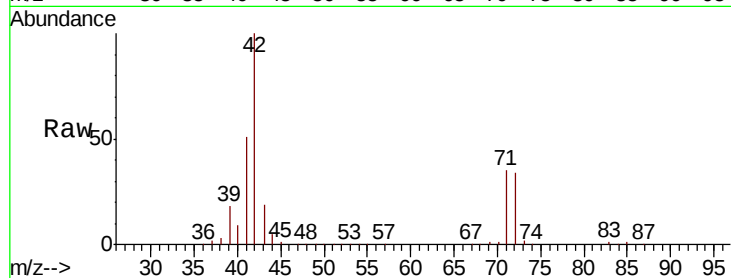
#29
Tetrahydrofuran
Concen: 269.759 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	183836
Ion	Ratio	Lower	Upper
42	100		
72	38.1	32.0	48.0
71	37.2	29.8	44.8

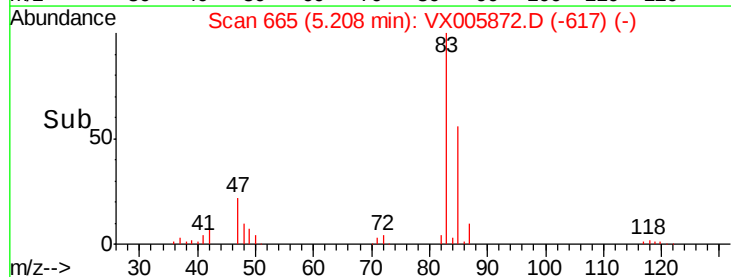
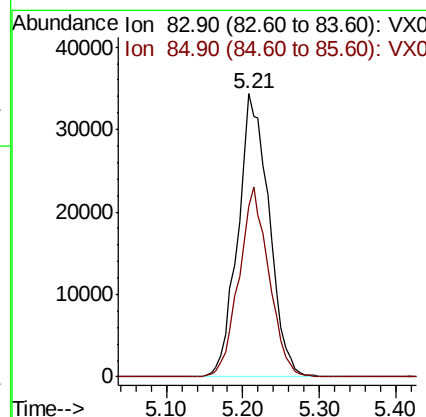
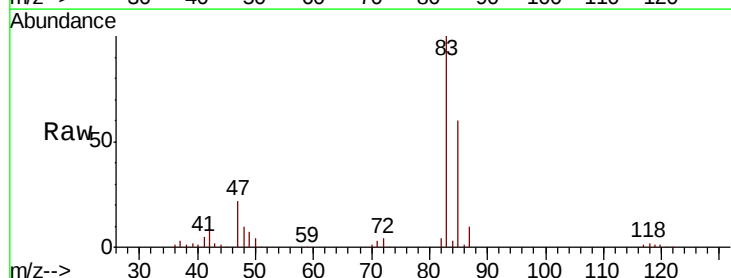
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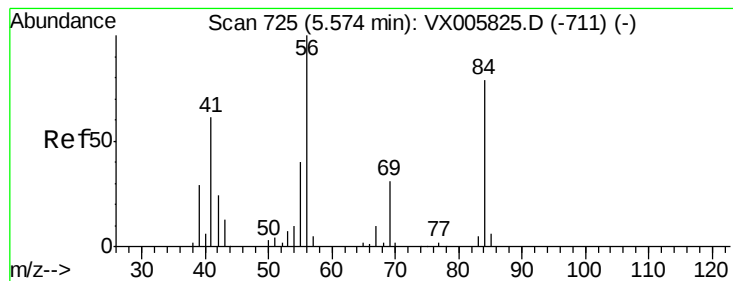
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#30
Chloroform
Concen: 49.847 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion:	83	Resp:	96771
Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.6	76.0





#31

Cyclohexane

Concen: 50.701 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 88562

Ion Ratio Lower Upper

56 100

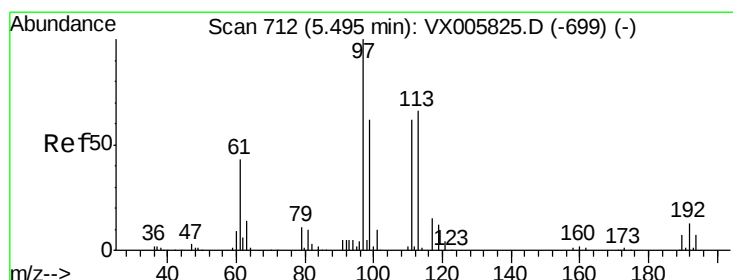
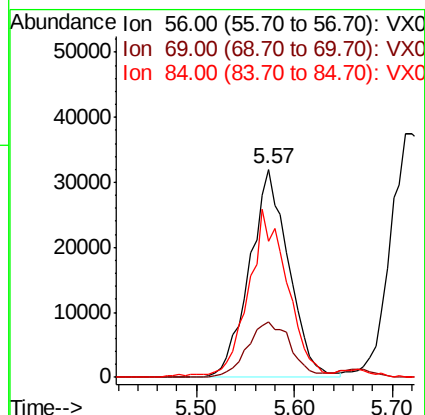
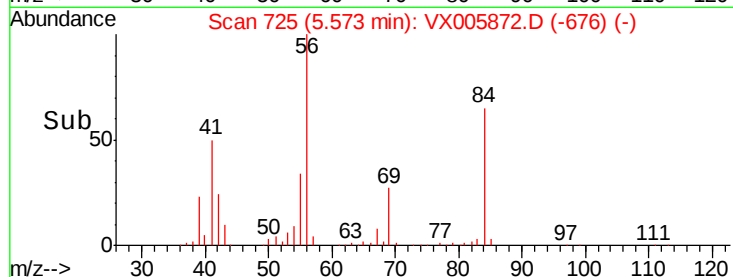
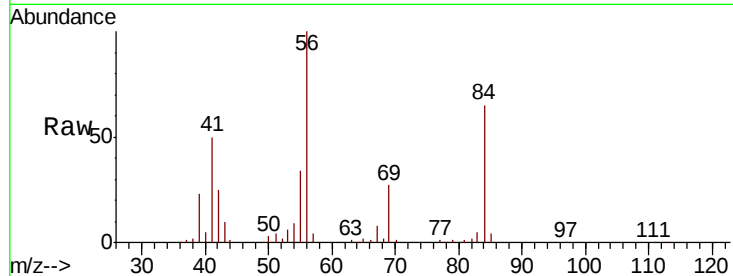
69 26.5 22.6 34.0

84 63.8 62.7 94.1

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#32

1,1,1-Trichloroethane

Concen: 52.418 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

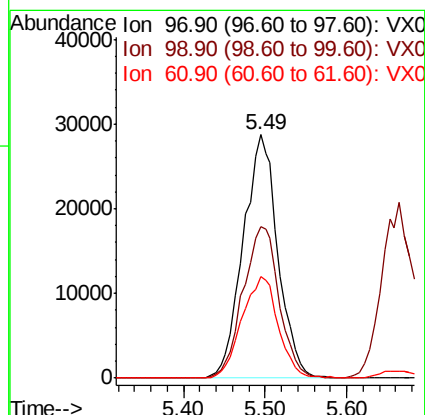
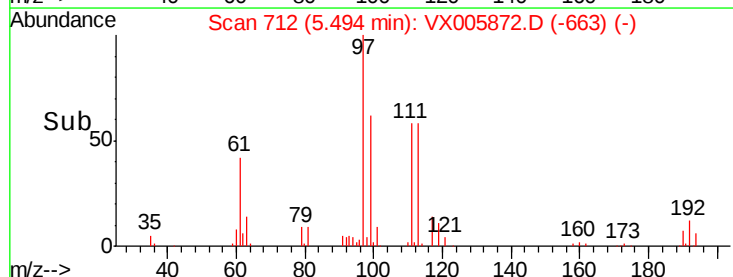
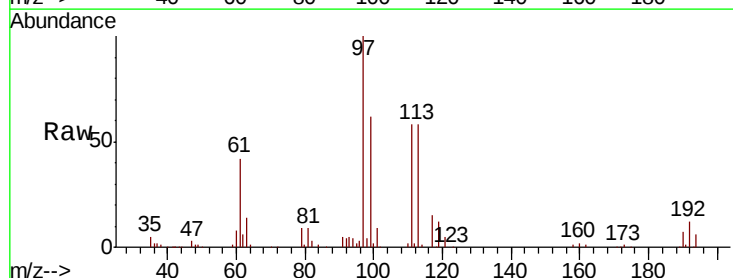
Tgt Ion: 97 Resp: 84880

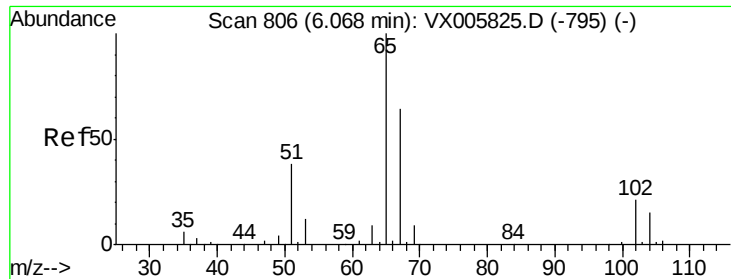
Ion Ratio Lower Upper

97 100

99 64.8 52.3 78.5

61 43.9 35.2 52.8





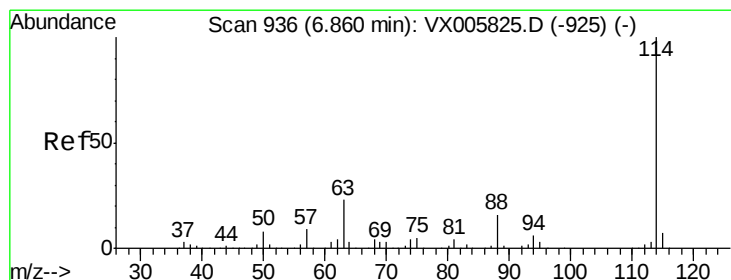
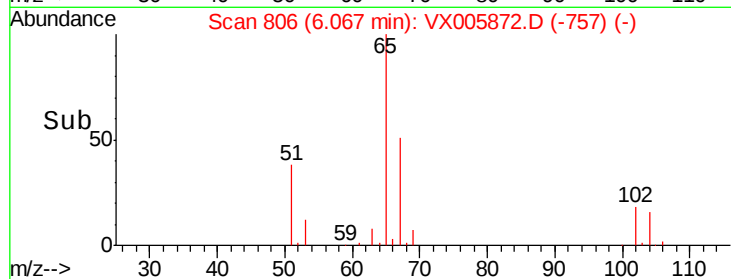
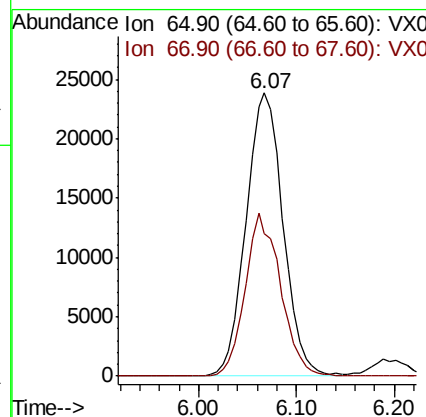
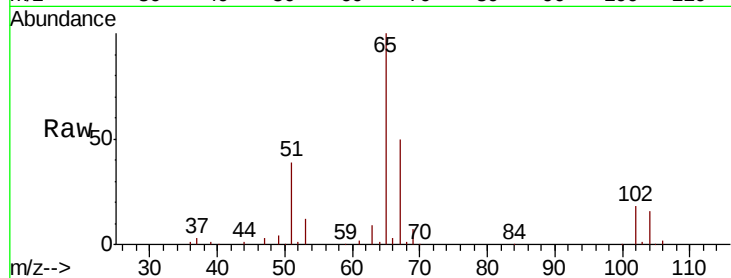
#33
 1,2-Dichloroethane-d4
 Concen: 50.122 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.0

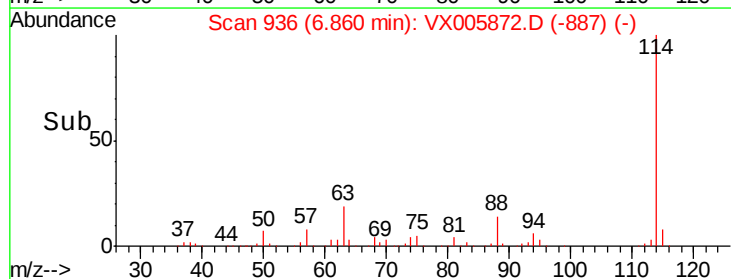
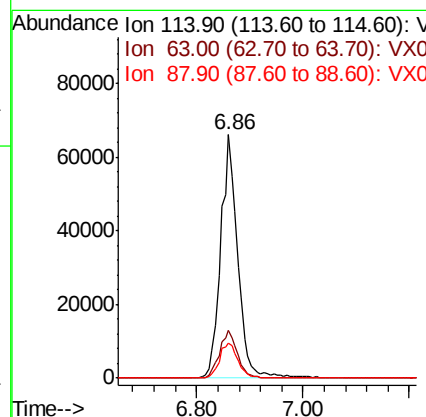
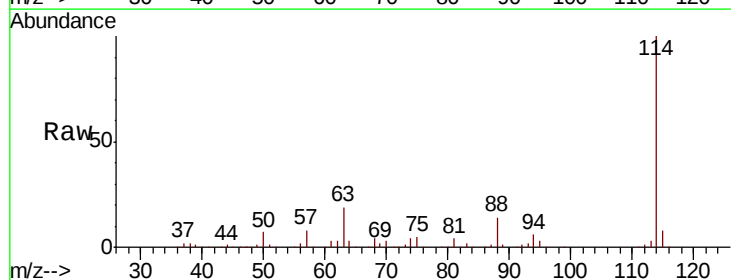
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	42.8
88	14.1	0.0	31.2





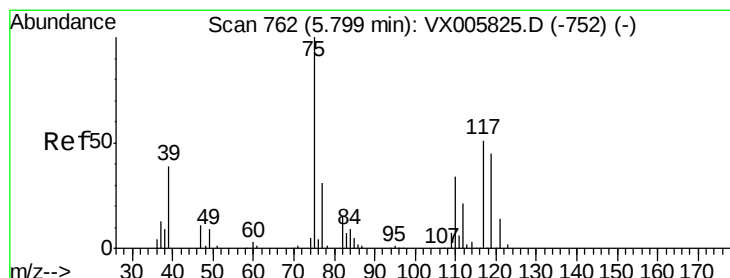
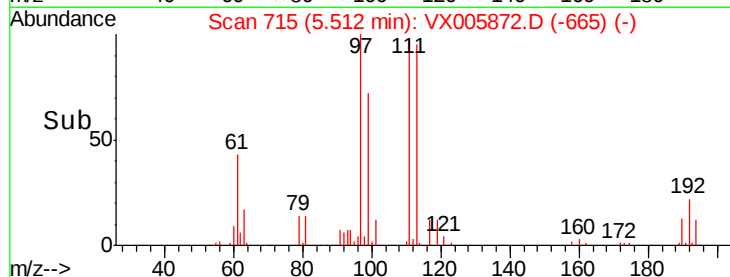
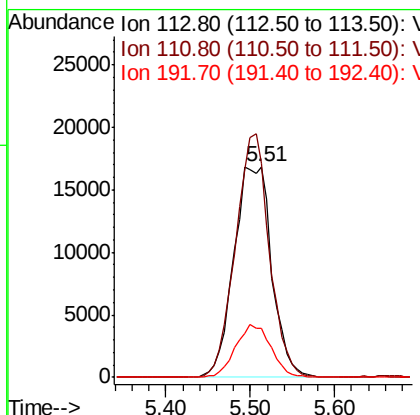
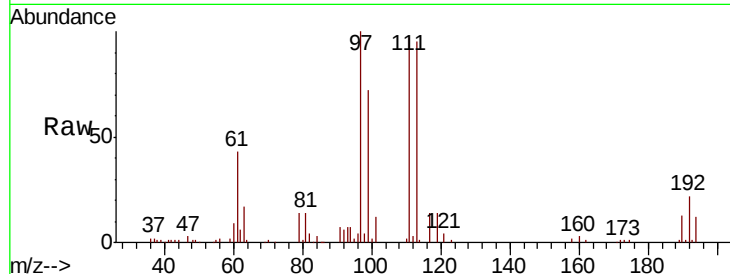
#35
 Dibromofluoromethane
 Concen: 50.672 ug/l
 RT: 5.51 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	51150		
111	103.6	82.3	123.5	
192	23.4	17.9	26.9	

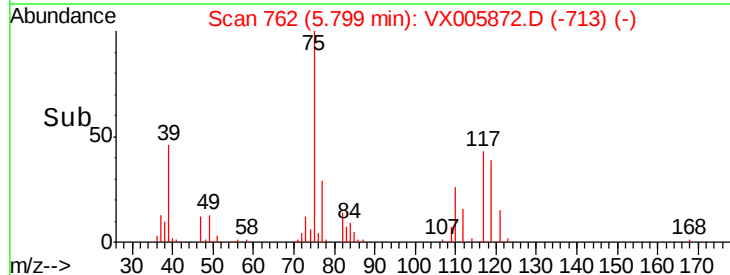
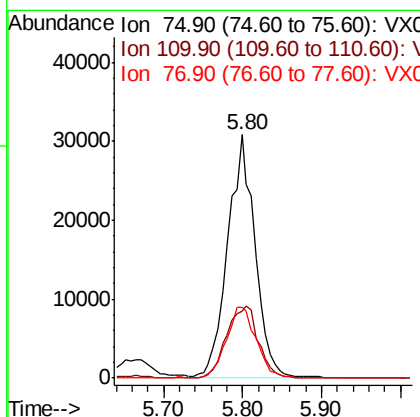
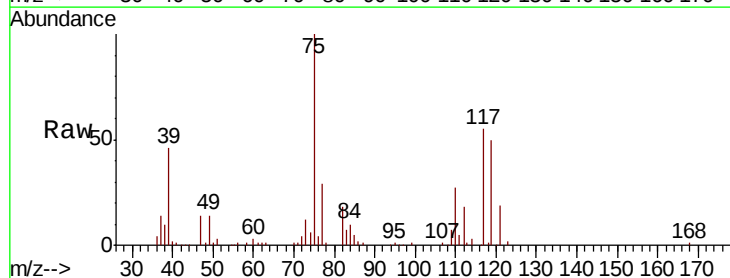
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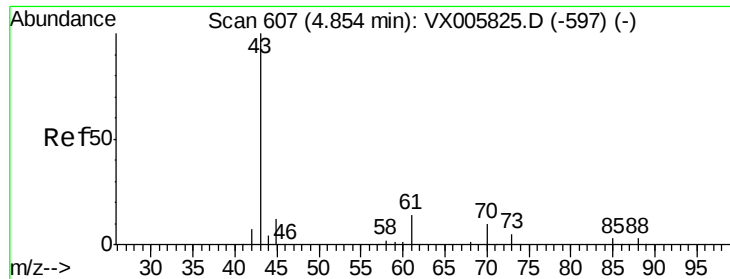
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#36
 1,1-Dichloropropene
 Concen: 51.519 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73710		
110	34.8	17.4	52.2	
77	32.4	25.8	38.6	





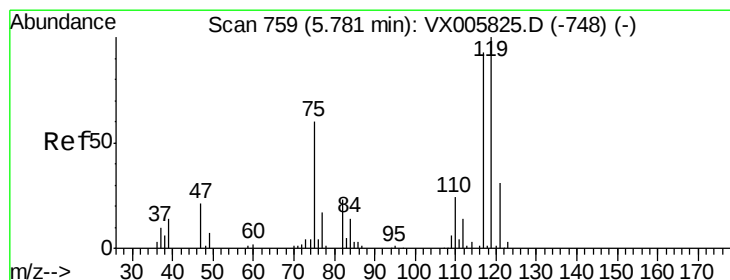
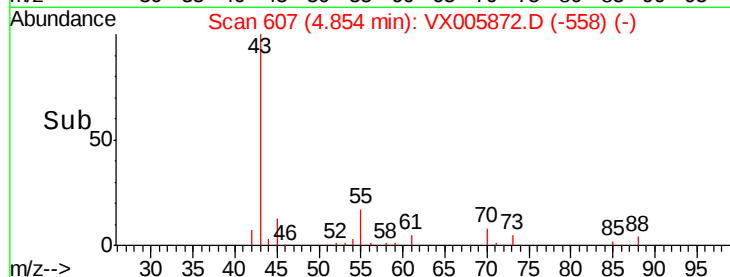
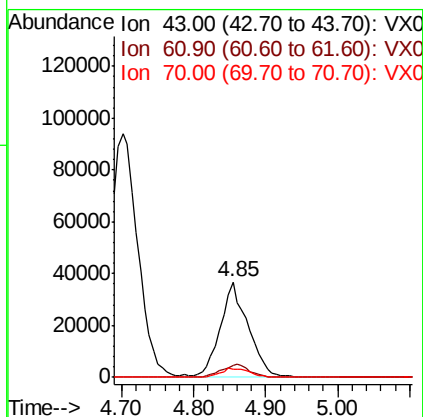
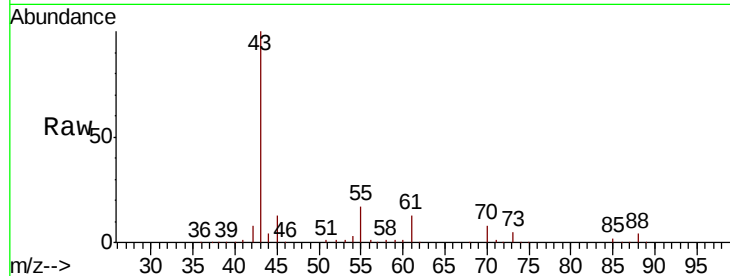
#37
Ethyl Acetate
Concen: 52.186 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	10.4	7.8	11.8

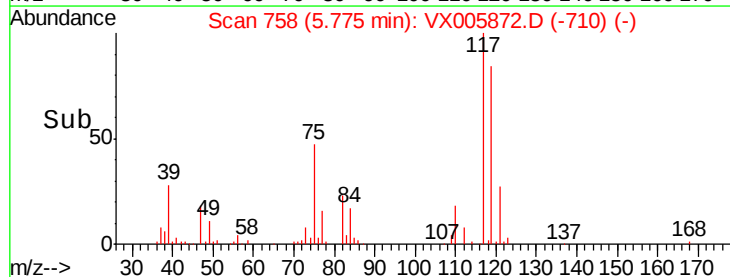
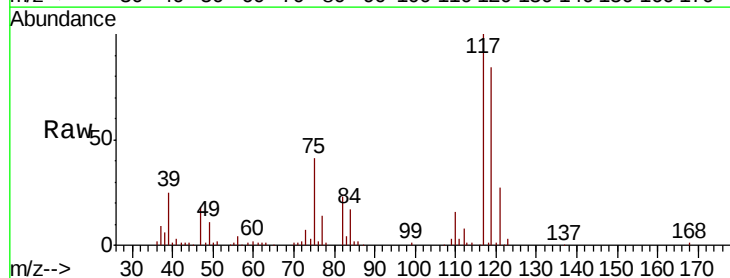
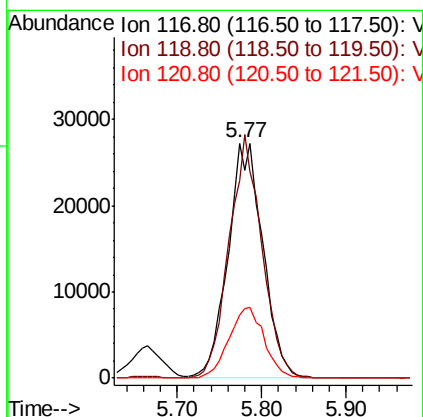
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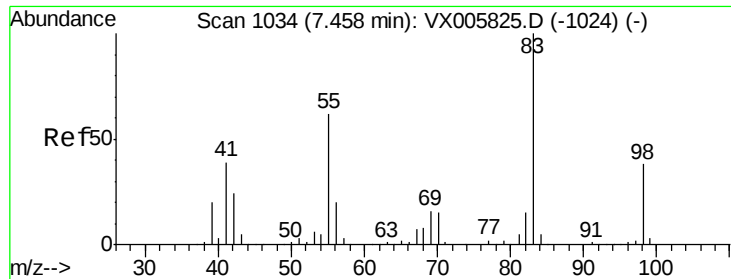
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#38
Carbon Tetrachloride
Concen: 53.604 ug/l
RT: 5.77 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.9	78.1	117.1
121	26.8	24.6	36.8





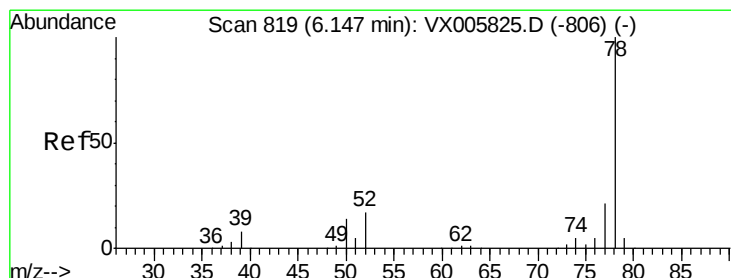
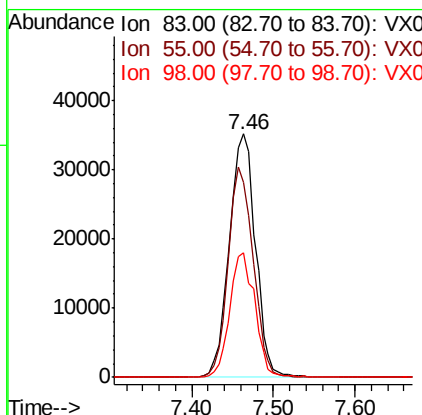
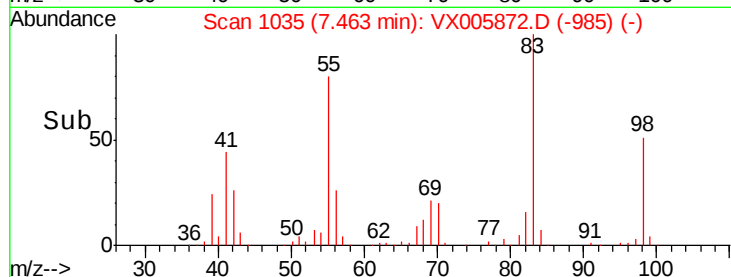
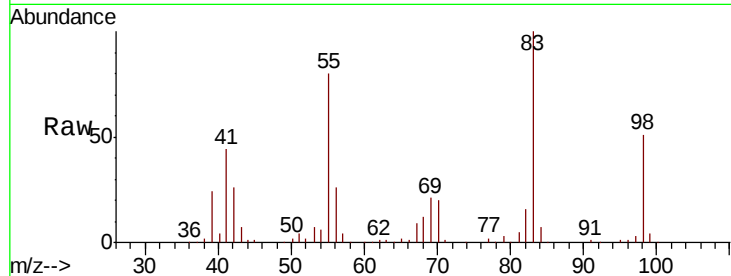
#39
Methvlcvclohexane
Concen: 53.512 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	63.7	95.5
98	51.2	36.2	54.2

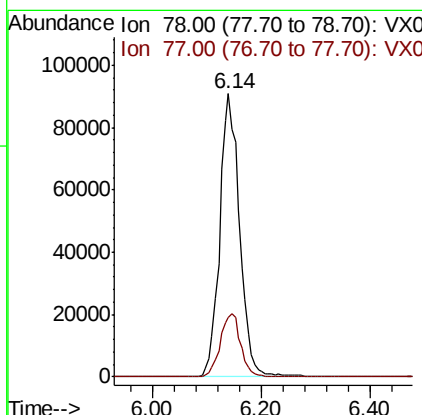
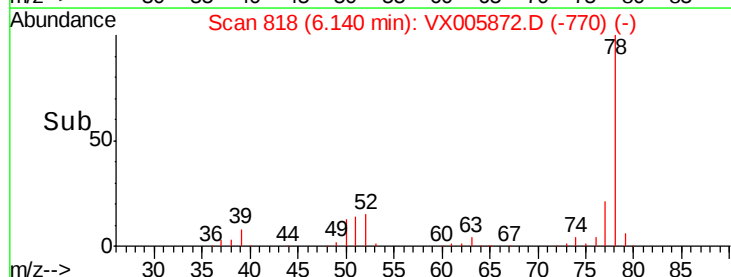
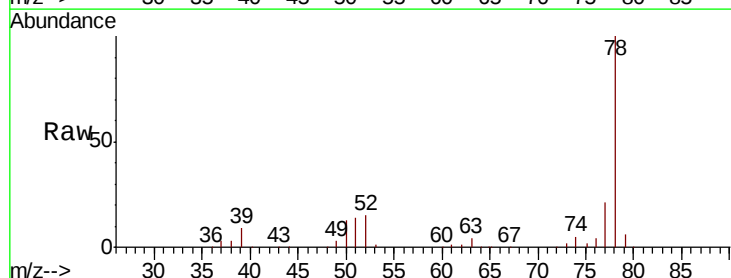
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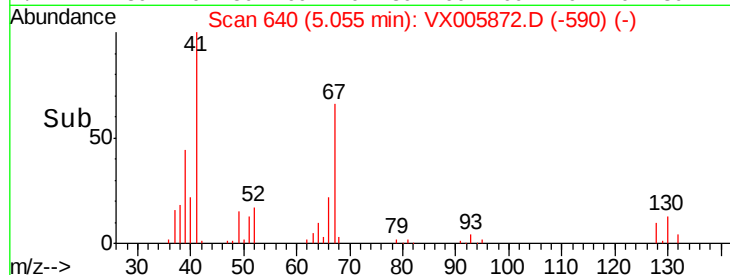
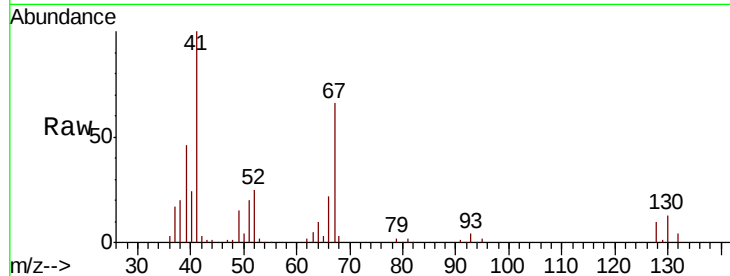
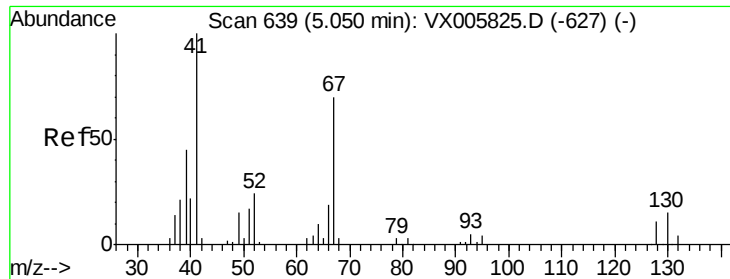
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#40
Benzene
Concen: 55.309 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.2	18.4	27.6





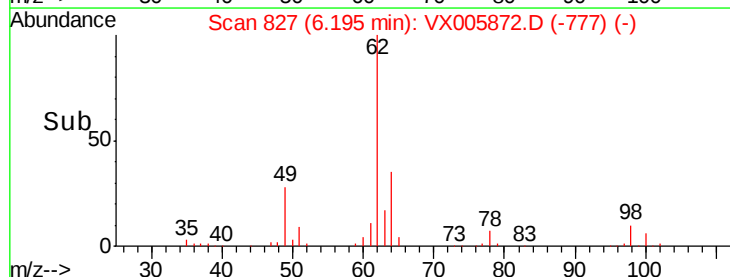
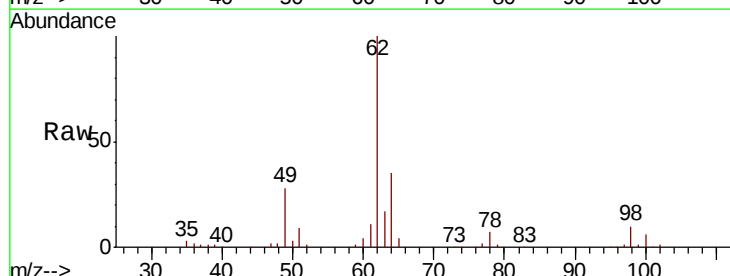
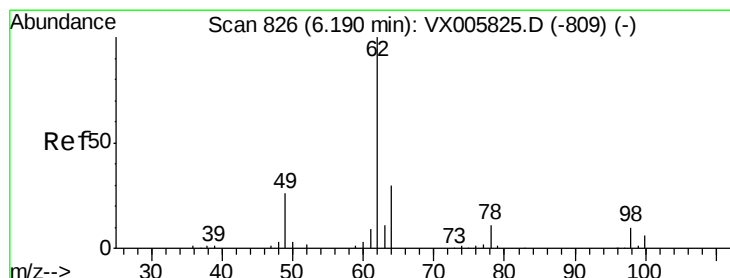
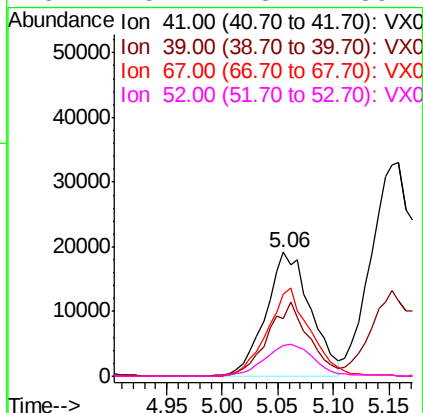
#41
Methacrylonitrile
Concen: 52.892 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	42.2	63.2	
67	67.9	53.4	80.0	
52	28.7	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

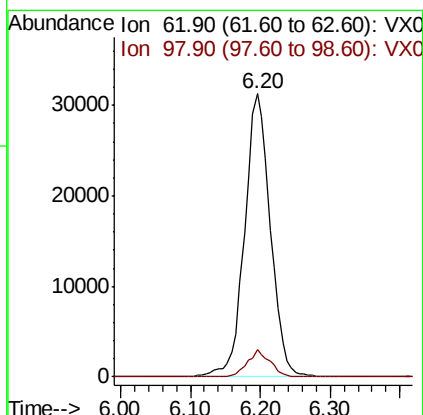
Manual Integrations
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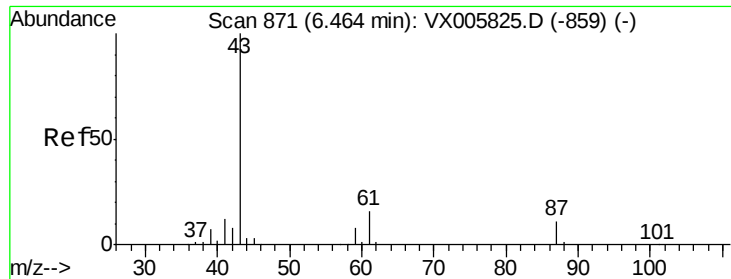
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#42
1,2-Dichloroethane
Concen: 53.459 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.8	





#43

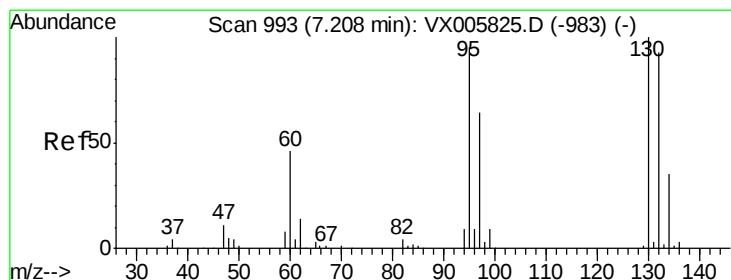
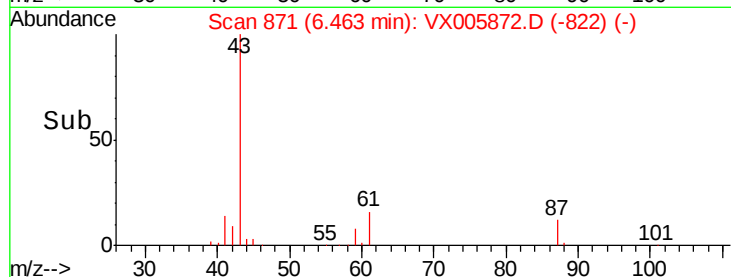
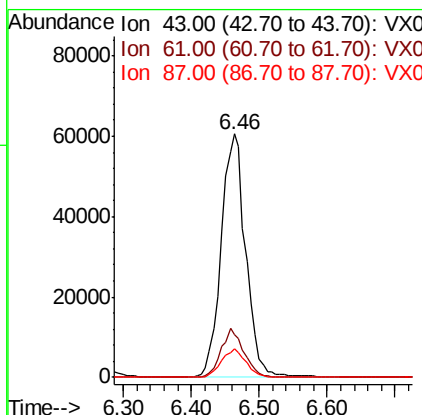
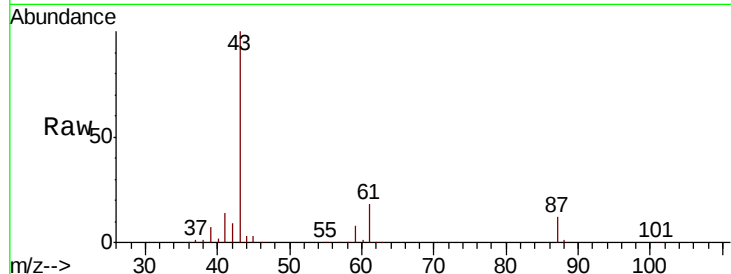
Isopropyl Acetate
 Concen: 55.164 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.6	22.0
87	11.6	9.6	14.4

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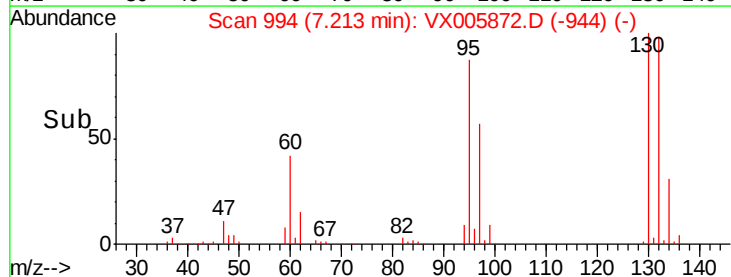
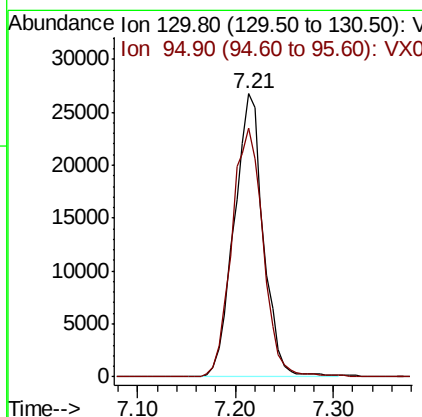
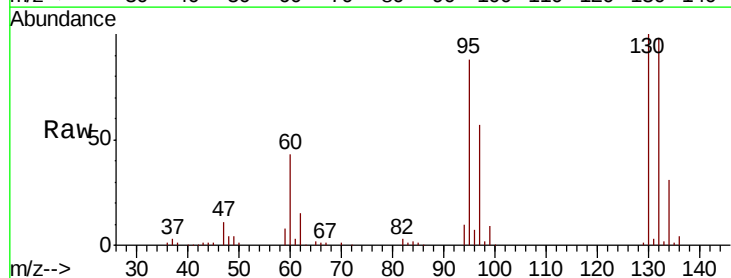
MMDadoda
 11/12/2018 9:11:53 AM

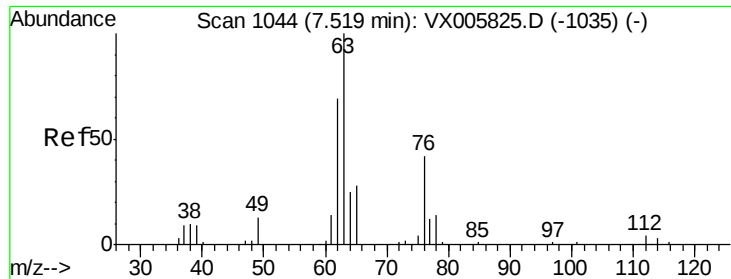


#44

Trichloroethene
 Concen: 52.176 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	194.2





#45

1,2-Dichloropropane

Concen: 53.306 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 53965

Ion Ratio Lower Upper

63 100

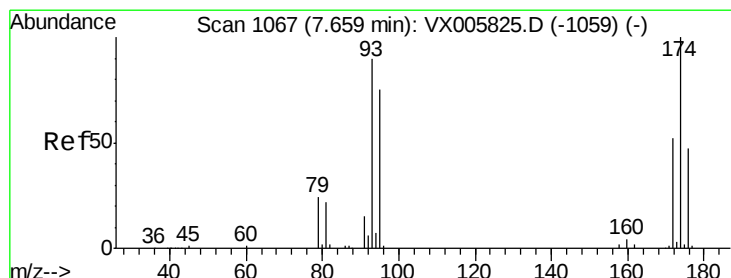
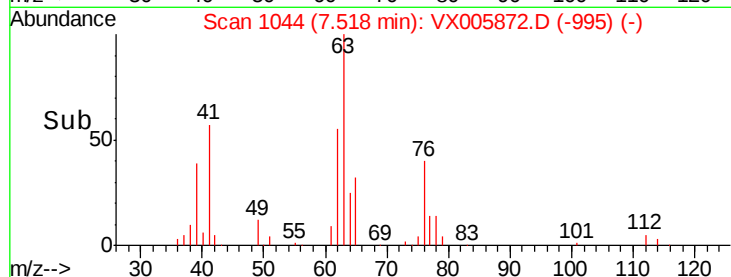
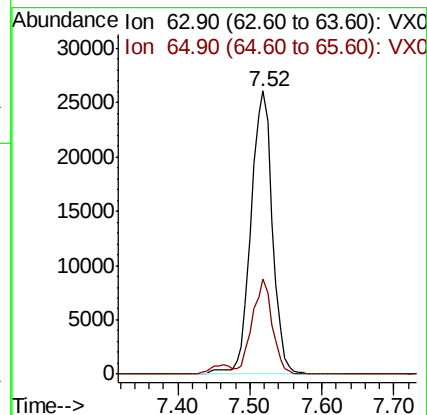
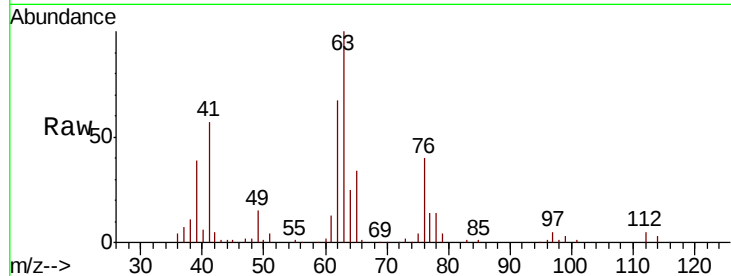
65 33.5 24.8 37.2

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#46

Dibromomethane

Concen: 52.249 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

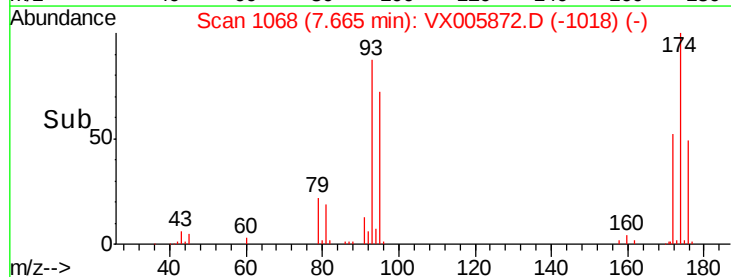
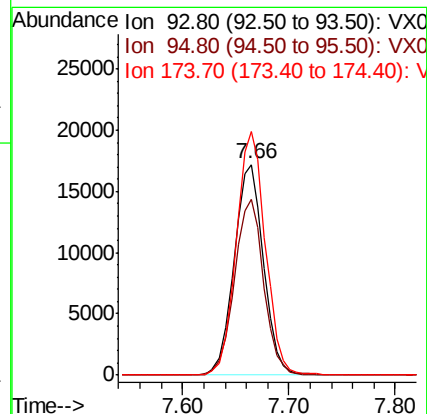
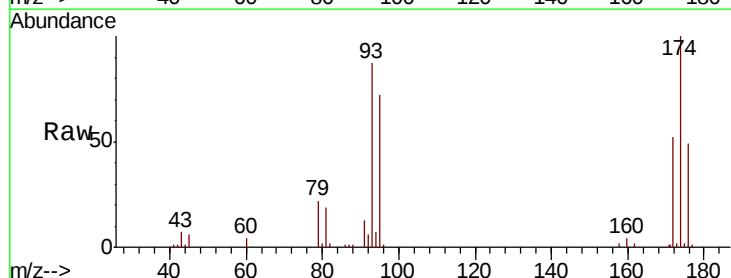
Tgt Ion: 93 Resp: 33192

Ion Ratio Lower Upper

93 100

95 83.1 67.4 101.0

174 114.7 91.5 137.3





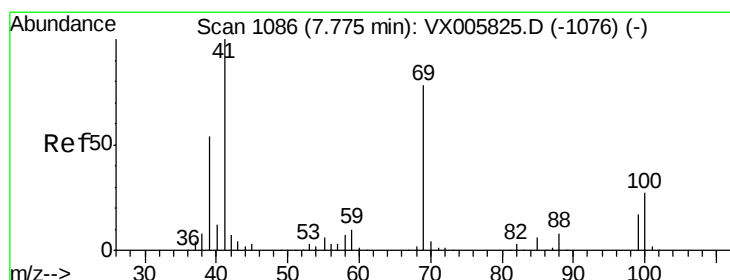
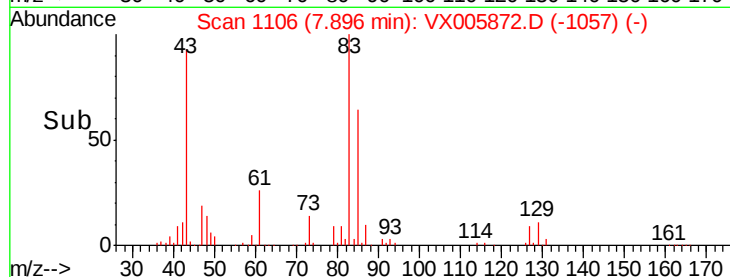
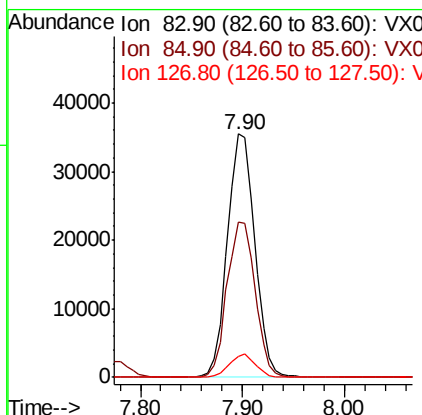
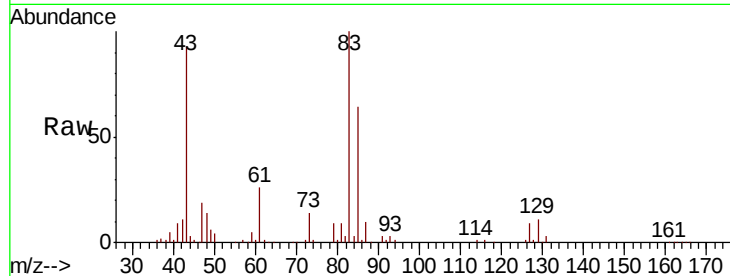
#47
Bromodichloromethane
Concen: 54.989 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.2	75.4
127	8.8	6.9	10.3

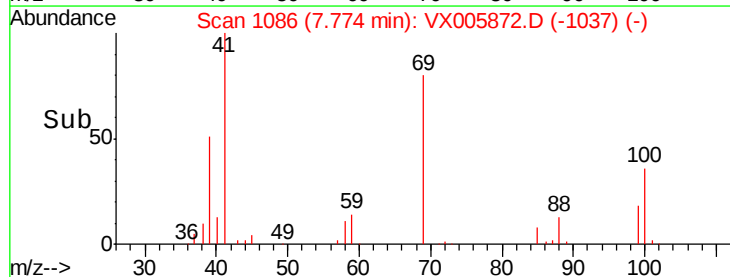
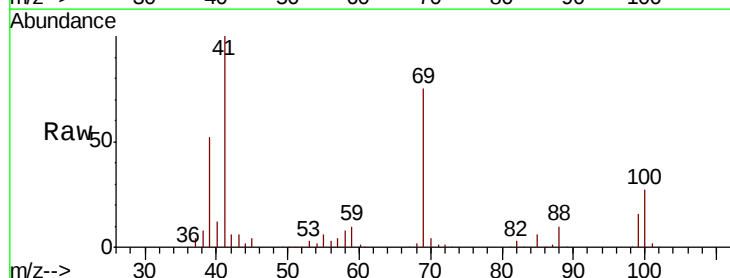
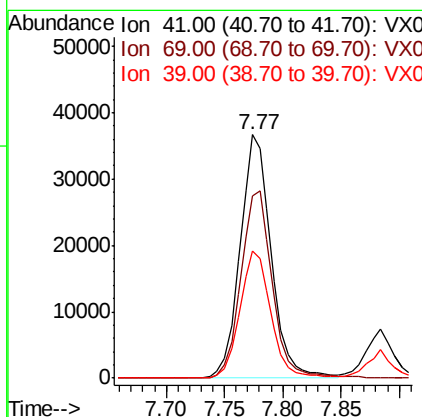
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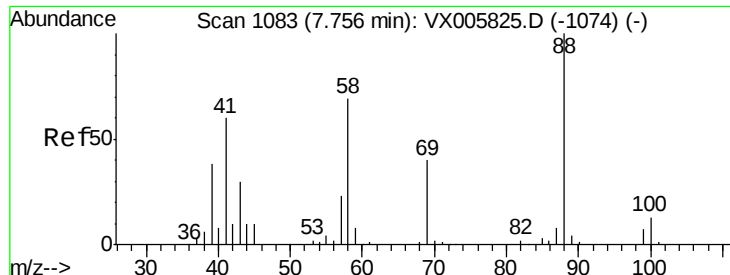
MMDadoda
11/12/2018 9:11:53 AM



#48
Methyl methacrylate
Concen: 55.267 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.6	63.2	94.8
39	52.4	42.2	63.2





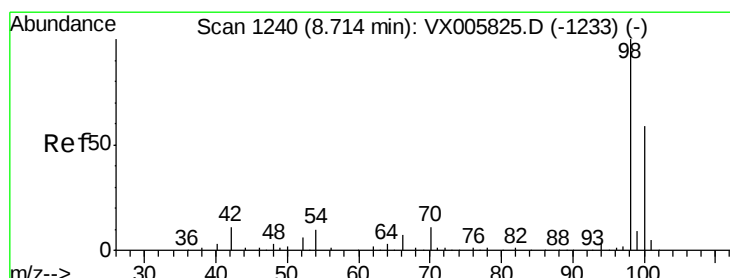
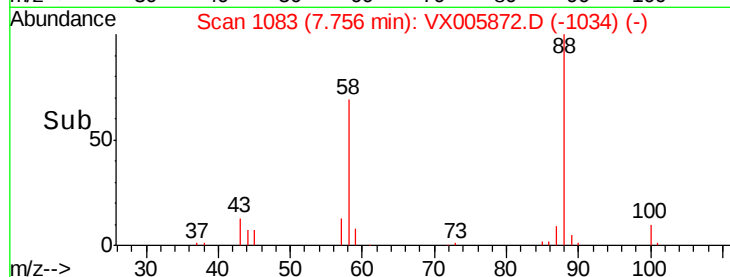
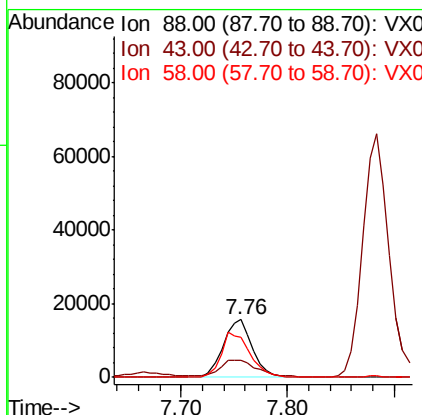
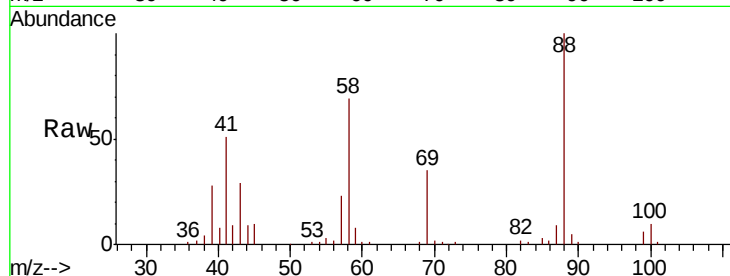
#49
1,4-Dioxane
Concen: 1122.171 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.4	41.0
58	77.1	59.4	89.2

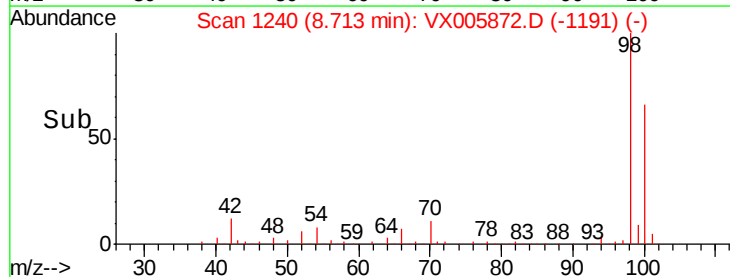
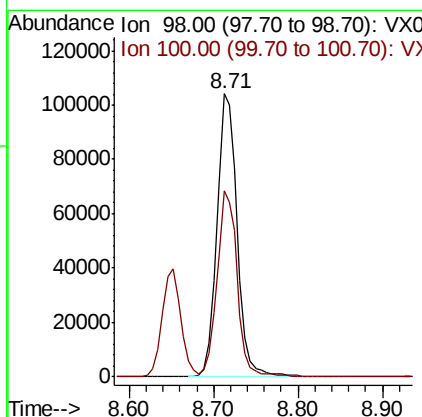
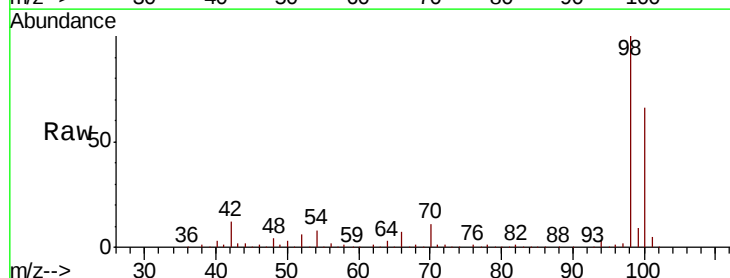
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#50
Toluene-d8
Concen: 51.352 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 268.175 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 460774

Ion Ratio Lower Upper

43 100

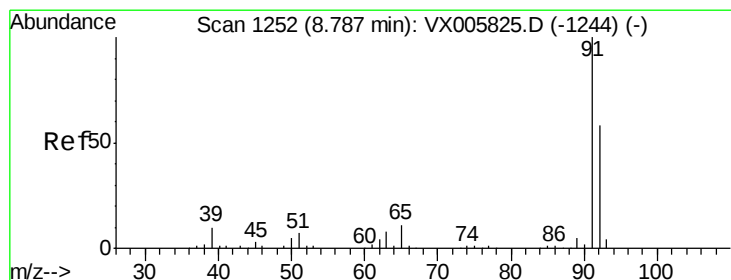
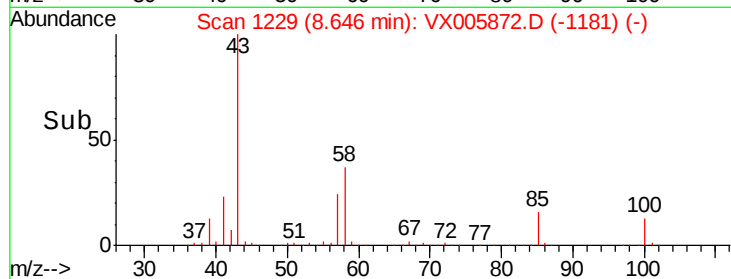
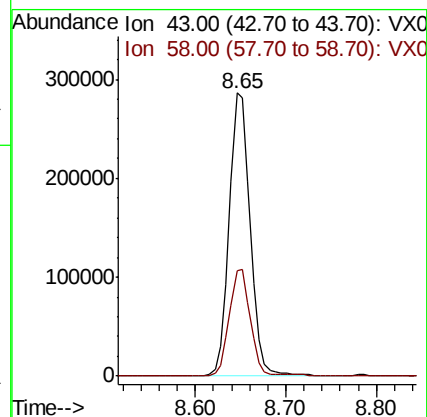
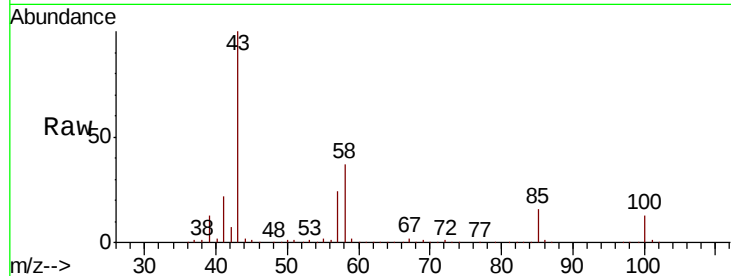
58 38.3 29.7 44.5

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#52

Toluene

Concen: 51.125 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005872.D

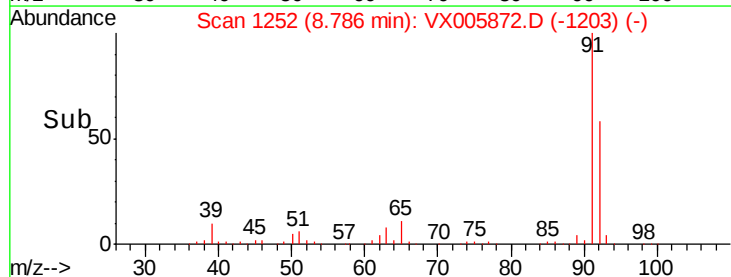
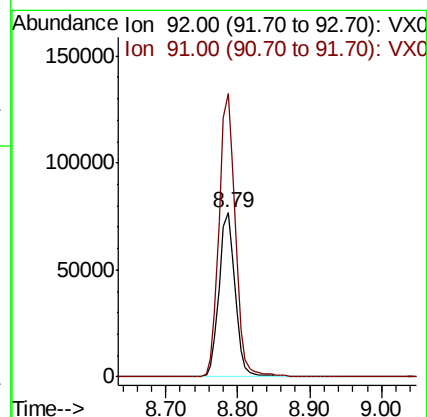
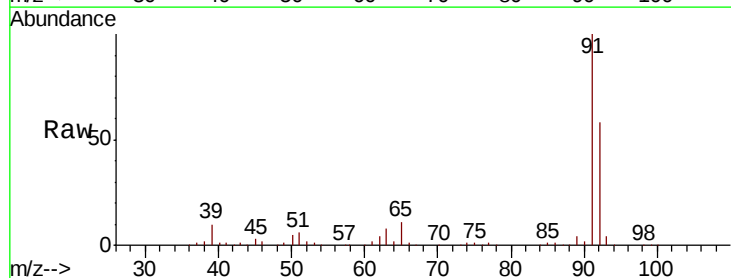
Acq: 09 Nov 2018 19:58

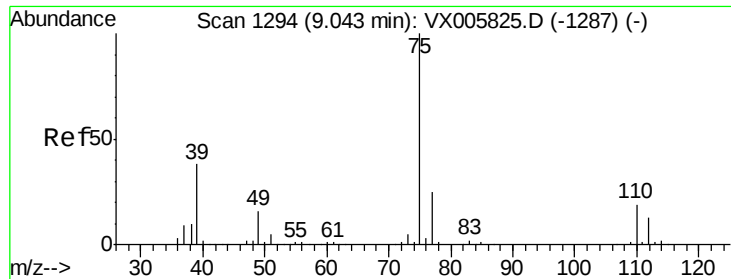
Tgt Ion: 92 Resp: 119176

Ion Ratio Lower Upper

92 100

91 174.7 140.4 210.6





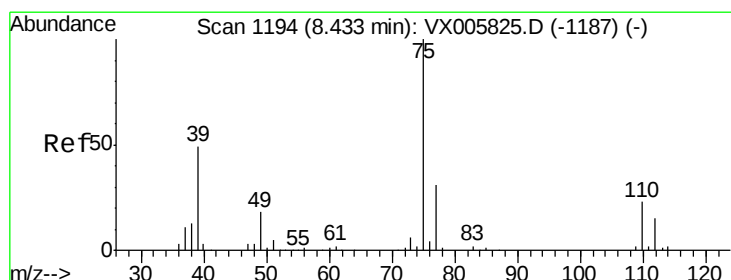
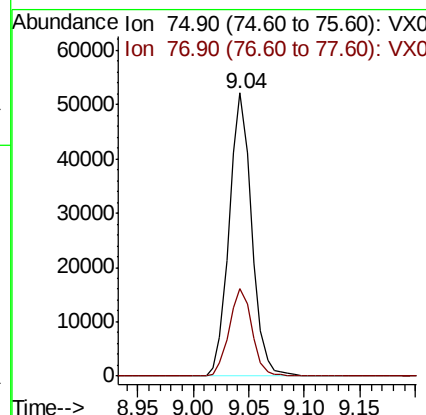
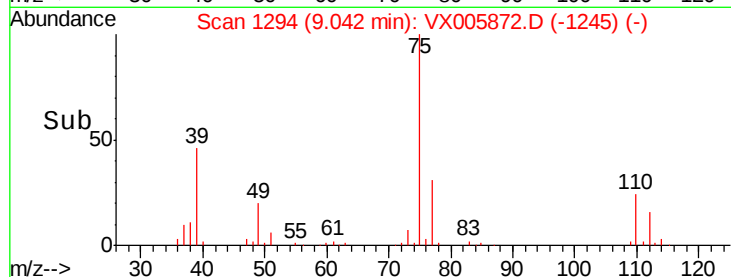
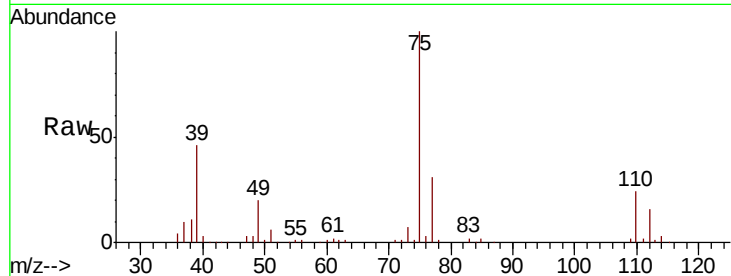
#53
t-1,3-Dichloropropene
Concen: 51.561 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 73051
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

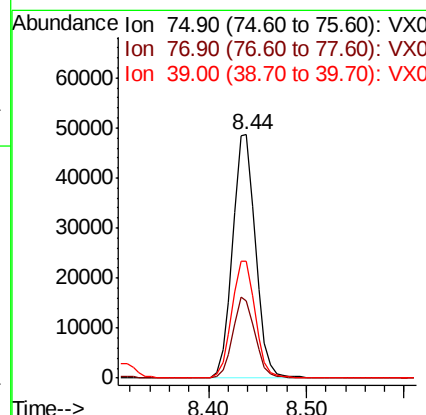
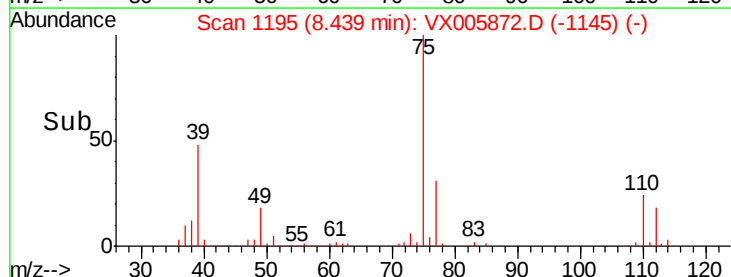
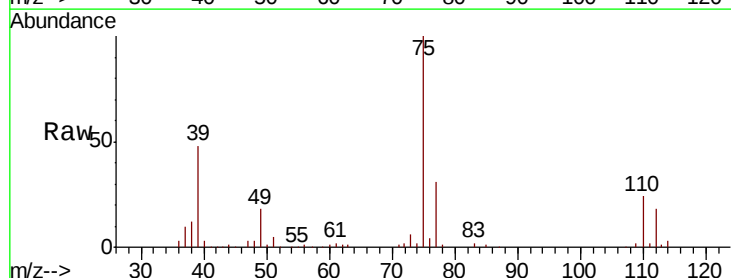
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#54
cis-1,3-Dichloropropene
Concen: 54.975 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion: 75 Resp: 79387
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 47.8 38.2 57.2





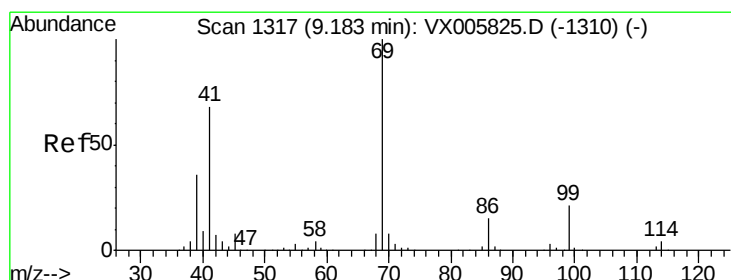
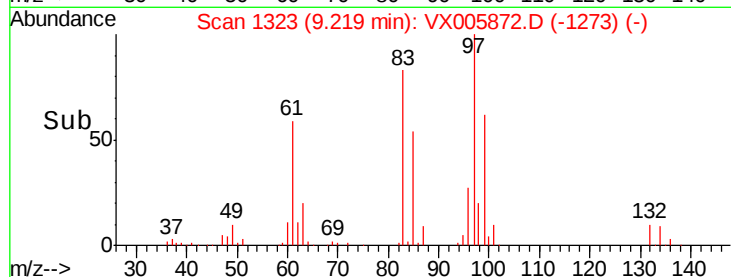
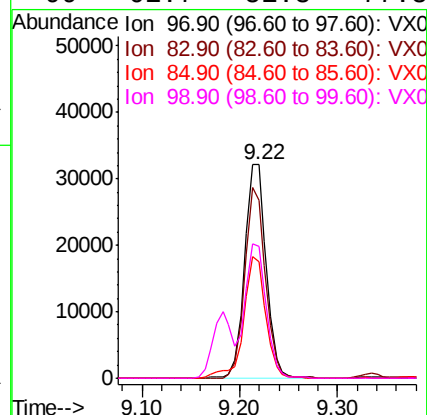
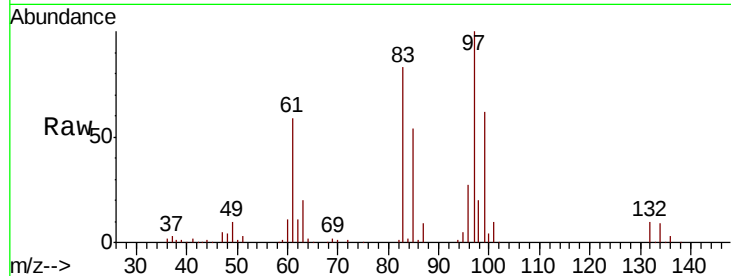
#55
 1,1,2-Trichloroethane
 Concen: 47.539 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		49388		
83	83.1	70.7	106.1		
85	54.4	45.8	68.6		
99	61.7	51.8	77.8		

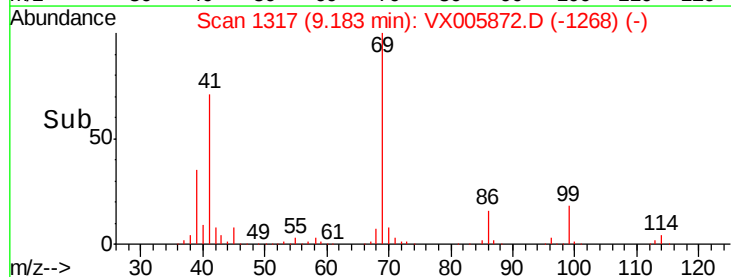
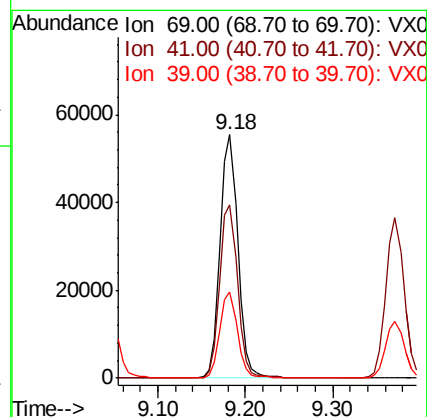
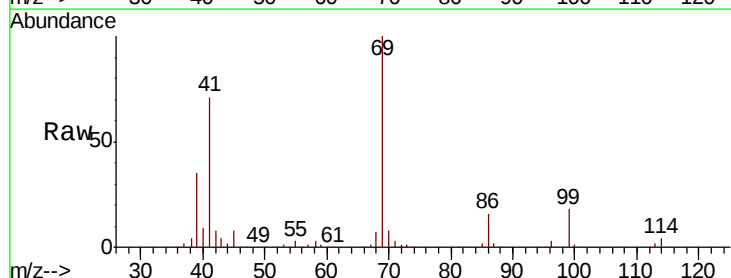
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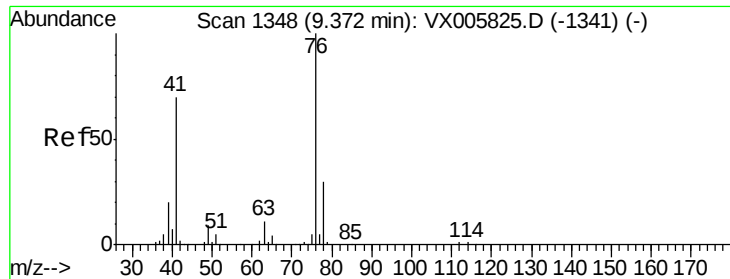
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#56
 Ethyl methacrylate
 Concen: 50.210 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		78050		
41	72.4	57.0	85.6		
39	35.1	28.3	42.5		





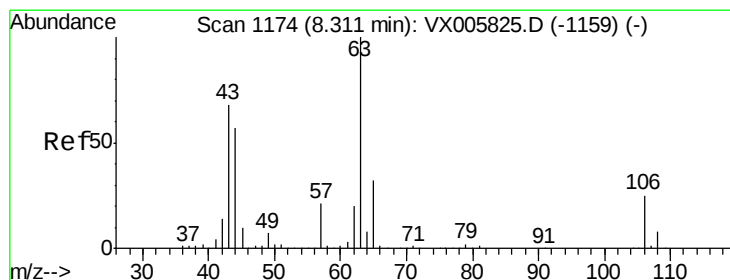
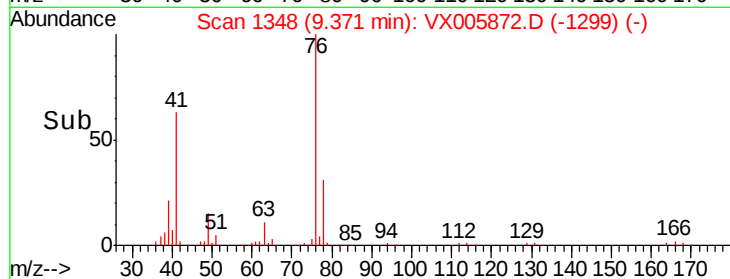
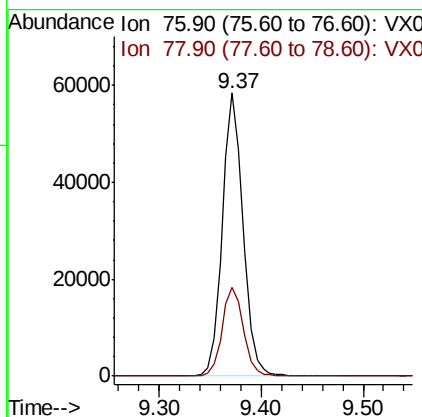
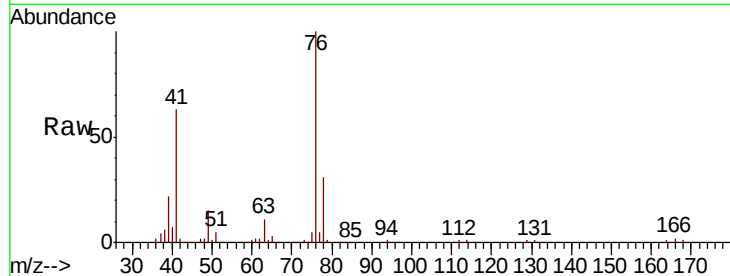
#57
 1,3-Dichloropropane
 Concen: 47.329 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.3	37.9

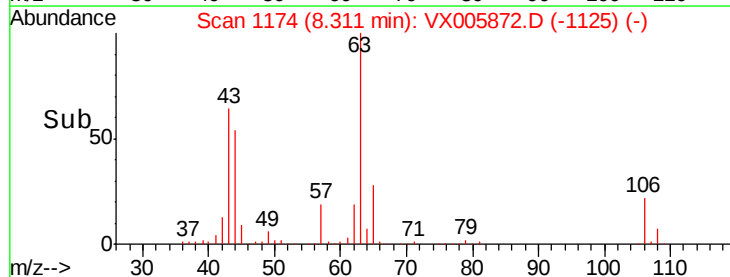
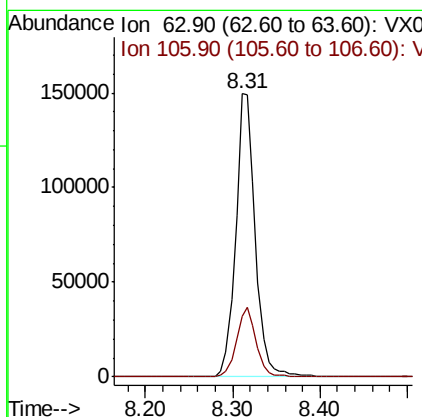
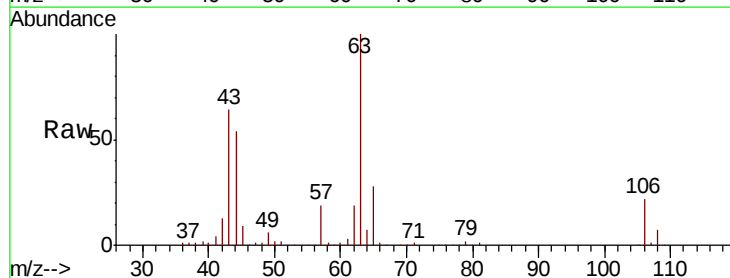
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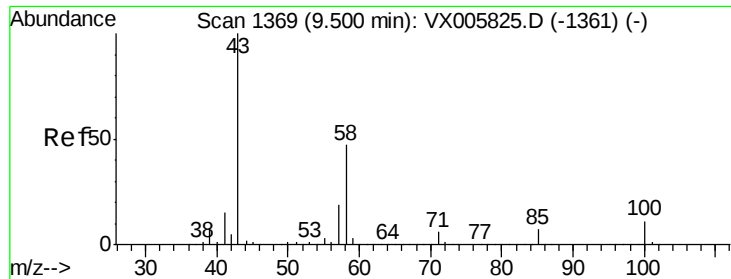
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#58
 2-Chloroethyl Vinyl ether
 Concen: 275.130 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	21.3	31.9





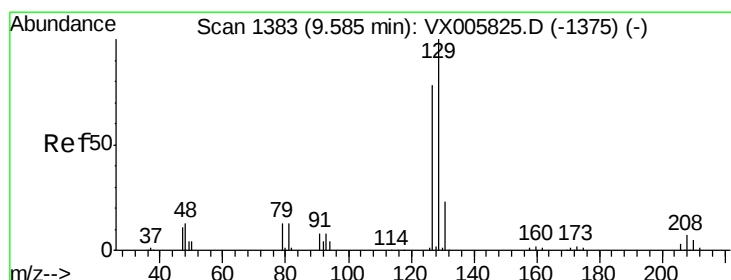
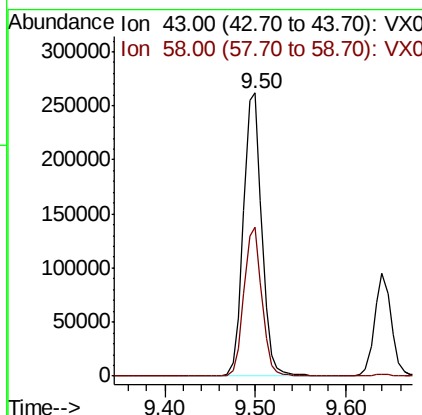
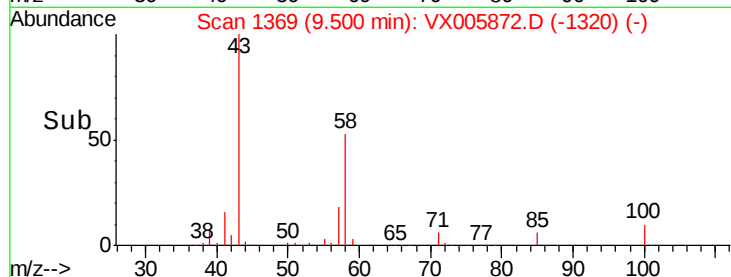
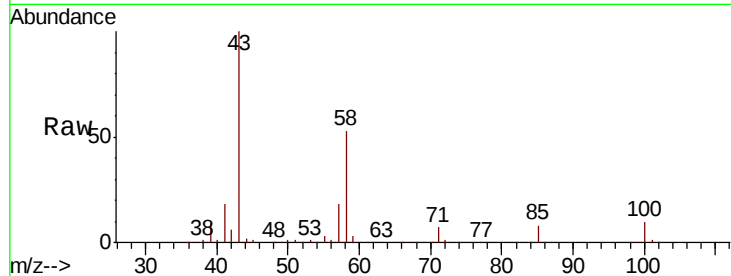
#59
2-Hexanone
Concen: 242.454 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 367197
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.8

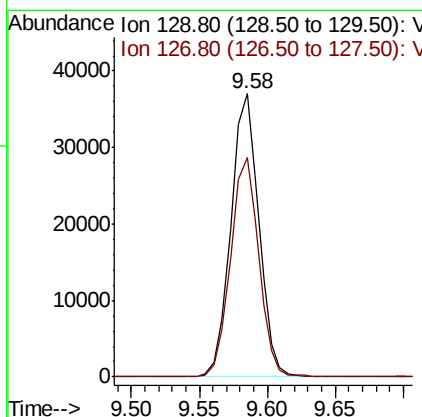
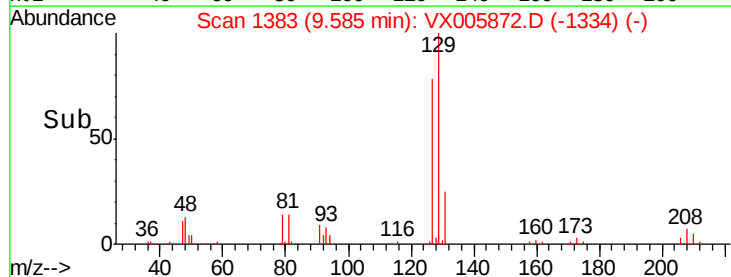
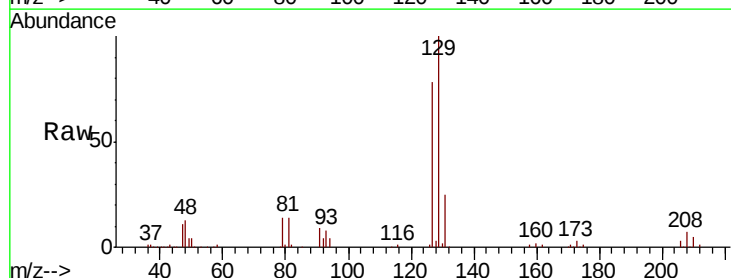
Manual Integrations
APPROVED

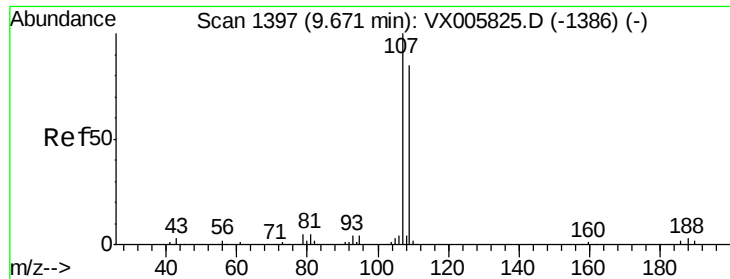
MMDadoda
11/12/2018 9:11:53 AM



#60
Dibromochloromethane
Concen: 47.187 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion: 129 Resp: 52981
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 45.482 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 52249

Ion Ratio Lower Upper

107 100

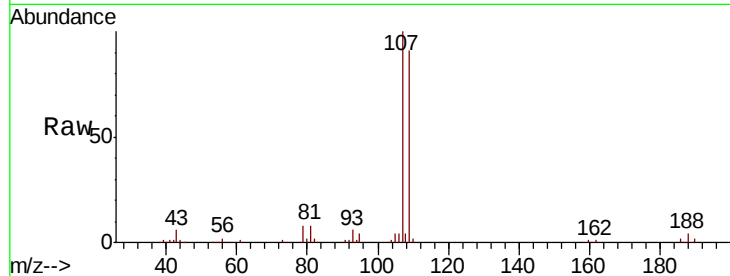
109 93.3 75.7 113.5

Manual Integrations

APPROVED

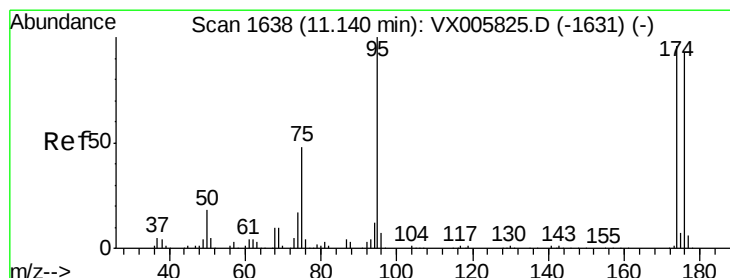
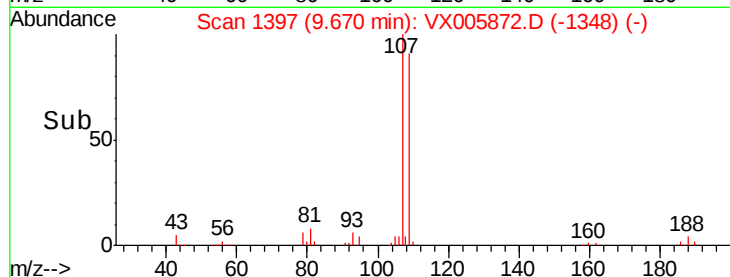
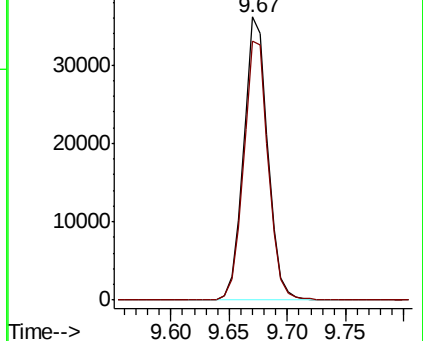
MMDadoda

11/12/2018 9:11:53 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.654 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

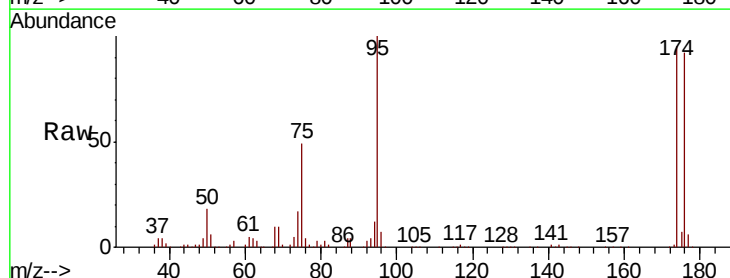
Tgt Ion: 95 Resp: 64738

Ion Ratio Lower Upper

95 100

174 90.3 0.0 184.4

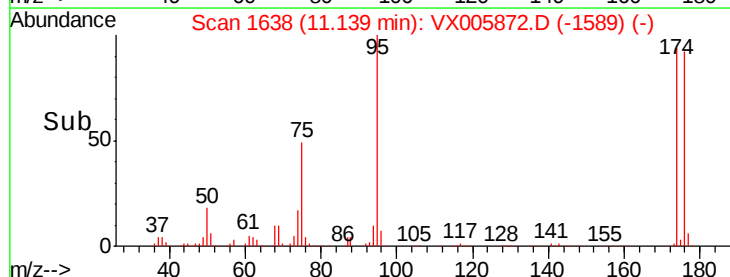
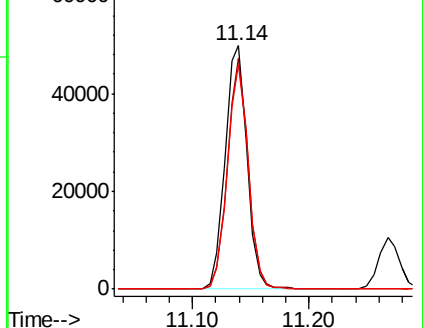
176 88.4 0.0 177.4

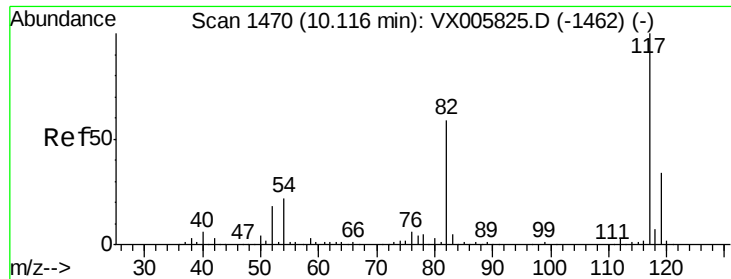


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





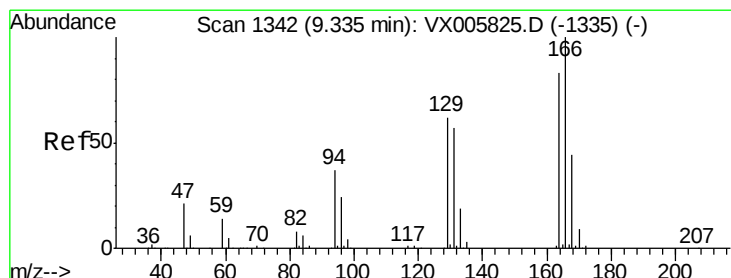
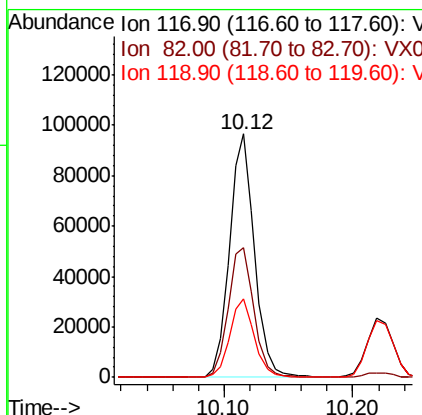
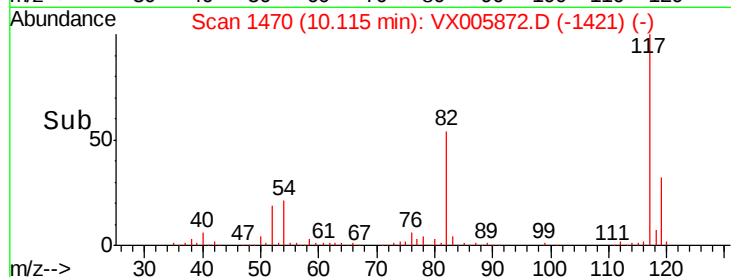
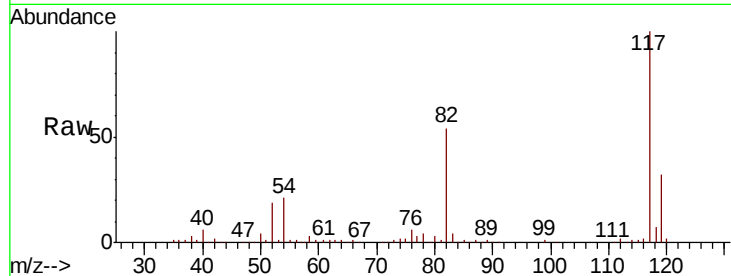
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.1	66.1
119	32.0	26.2	39.2

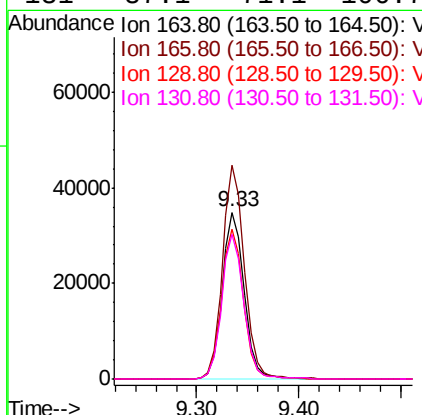
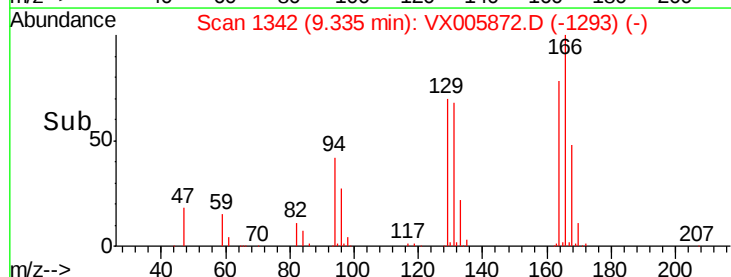
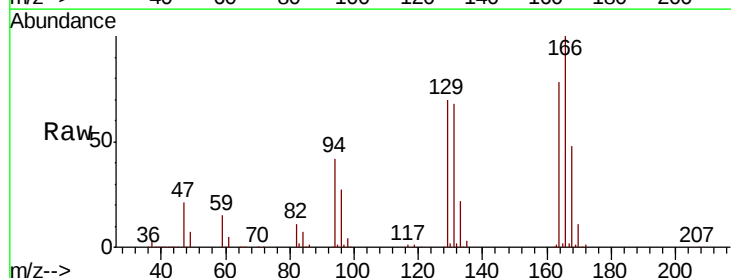
Manual Integrations
APPROVED

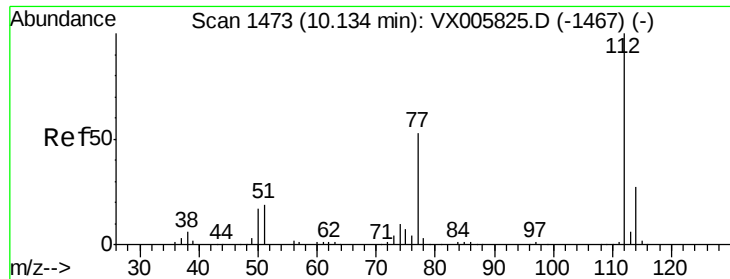
MMDadoda
11/12/2018 9:11:53 AM



#64
Tetrachloroethene
Concen: 47.012 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.9	152.9
129	90.1	72.6	109.0
131	87.1	71.1	106.7





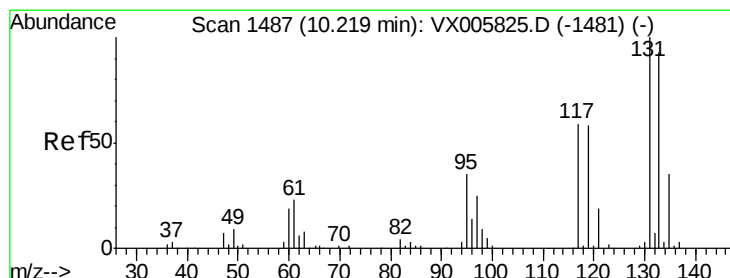
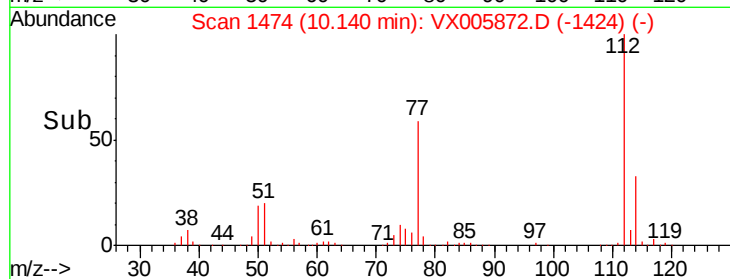
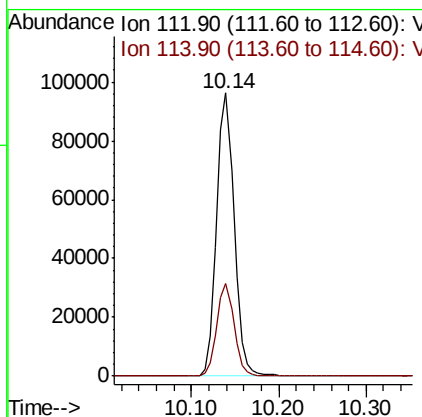
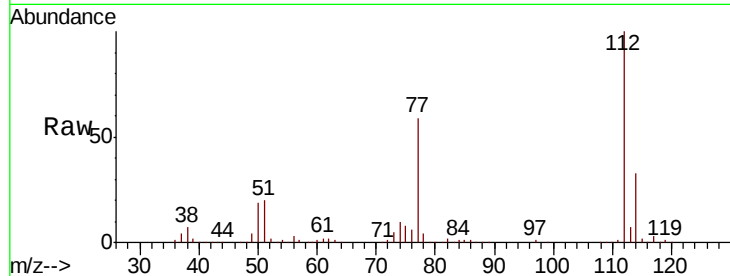
#65
Chlorobenzene
Concen: 51.090 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 133616
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6

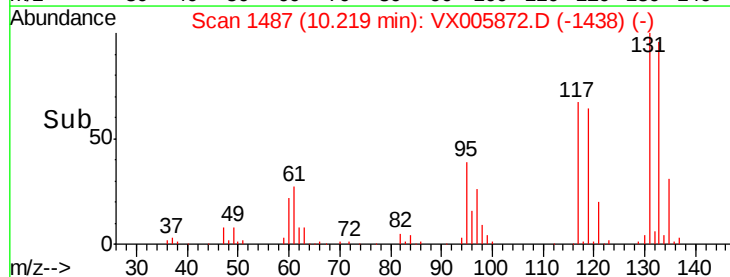
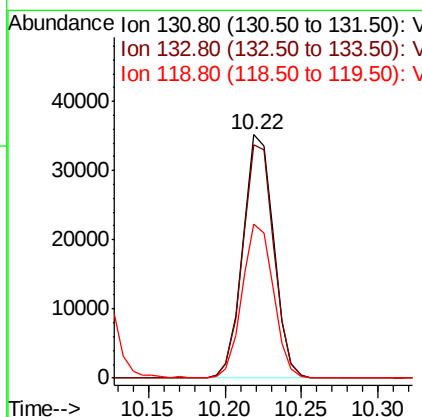
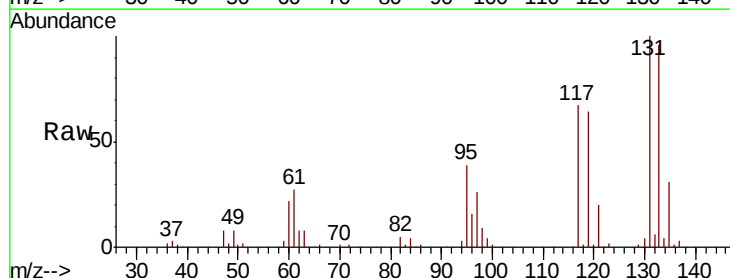
Manual Integrations
APPROVED

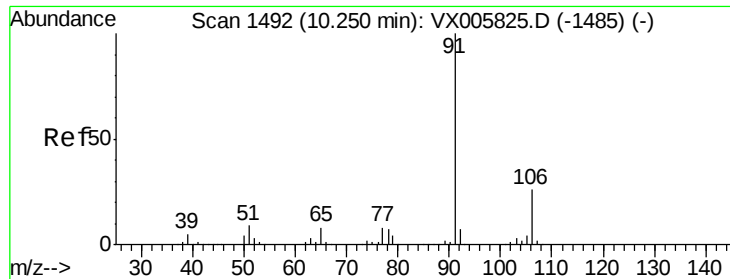
MMDadoda
11/12/2018 9:11:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.230 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion:131 Resp: 49307
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.5
119 64.3 31.8 95.3





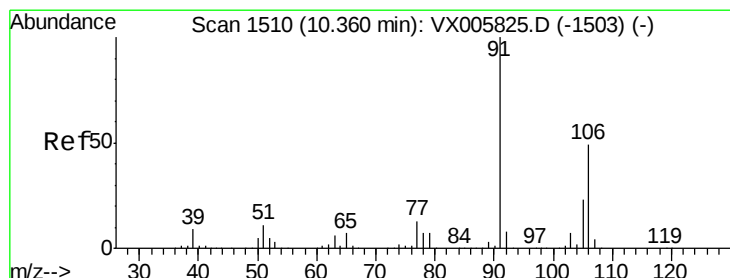
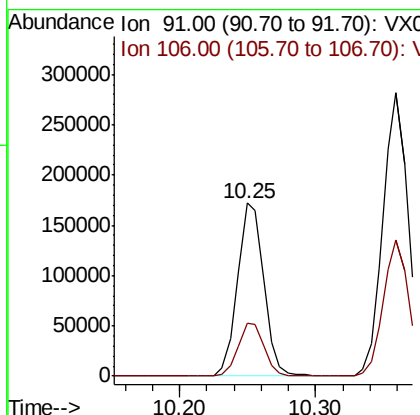
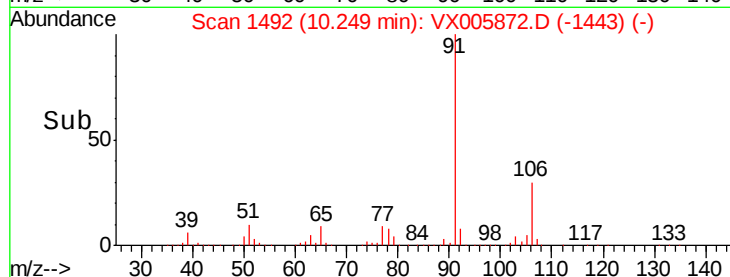
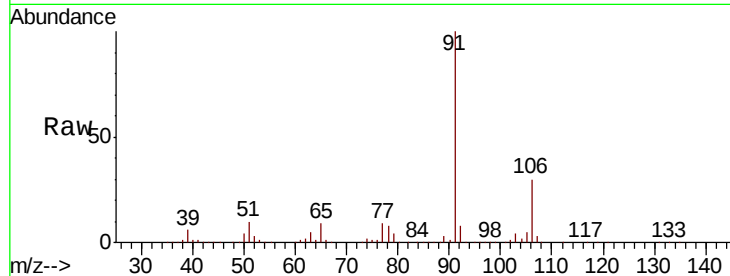
#67
Ethyl Benzene
Concen: 55.297 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 231897
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

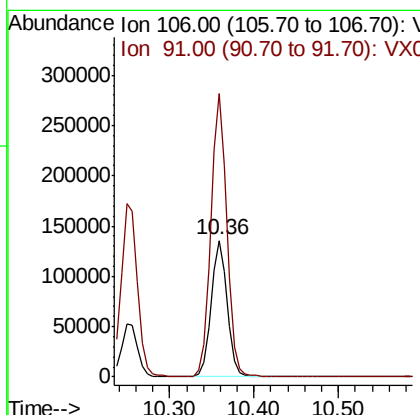
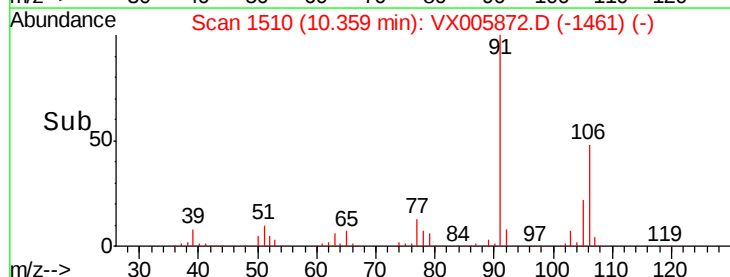
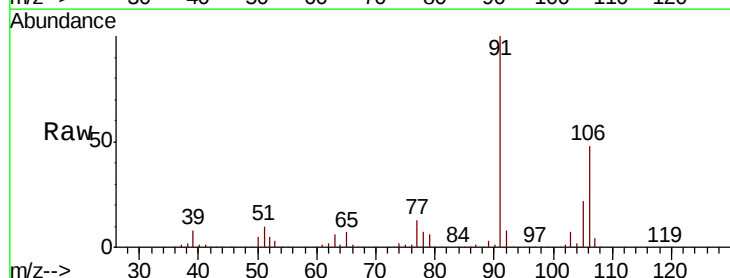
Manual Integrations
APPROVED

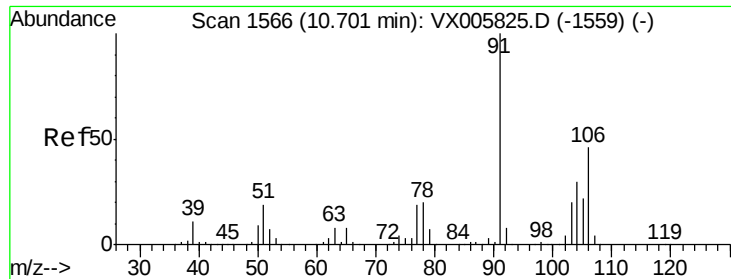
MMDadoda
11/12/2018 9:11:53 AM



#68
m/p-Xylenes
Concen: 111.957 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion: 106 Resp: 179091
Ion Ratio Lower Upper
106 100
91 207.1 164.2 246.4





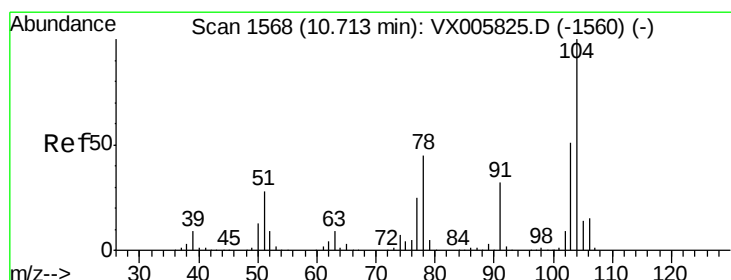
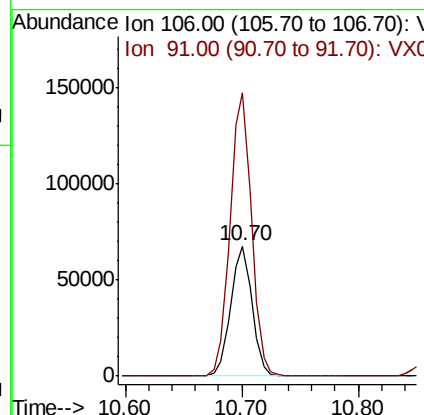
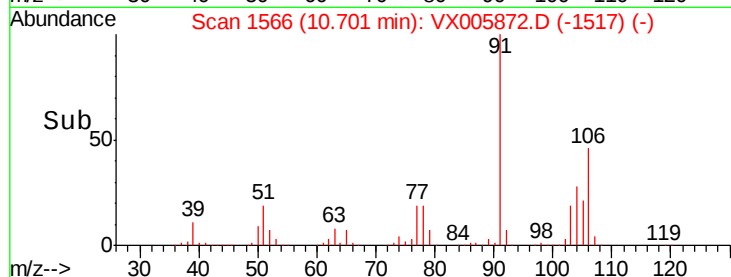
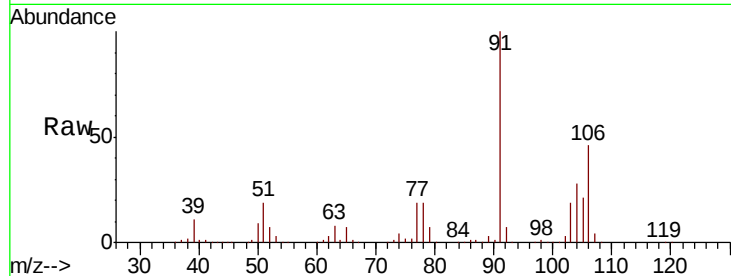
#69
o-Xylene
Concen: 59.772 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 85737
Ion Ratio Lower Upper
106 100
91 218.7 108.5 325.5

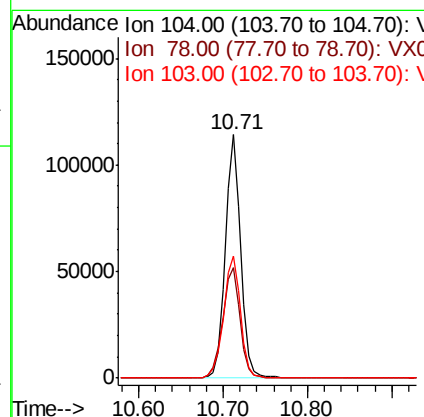
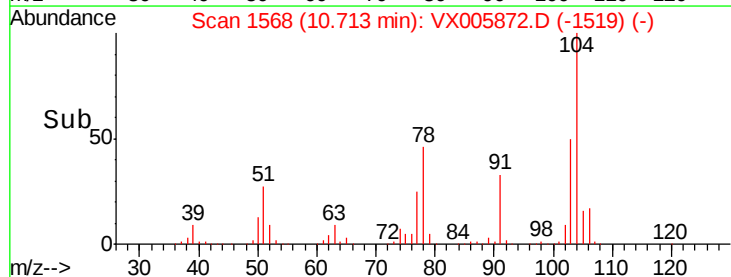
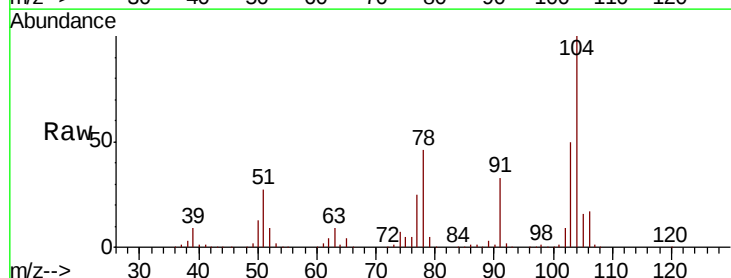
Manual Integrations
APPROVED

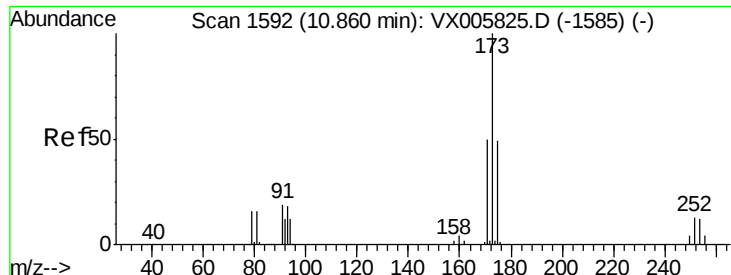
MMDadoda
11/12/2018 9:11:53 AM



#70
Styrene
Concen: 61.023 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion:104 Resp: 144393
Ion Ratio Lower Upper
104 100
78 51.6 40.2 60.4
103 55.6 44.9 67.3





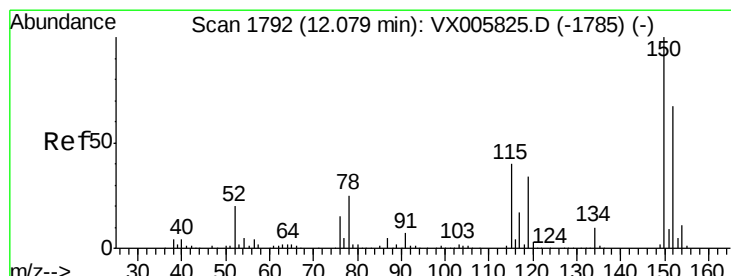
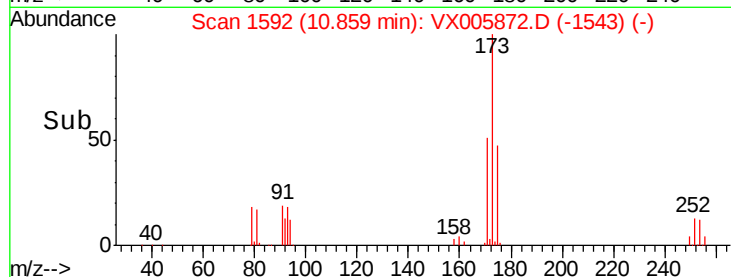
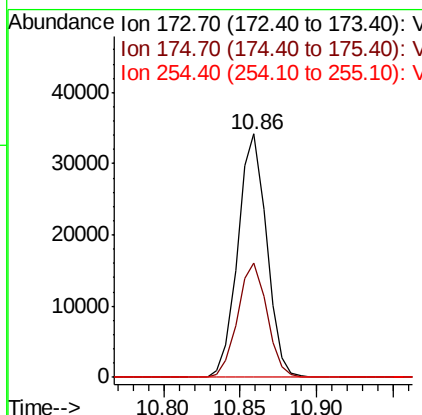
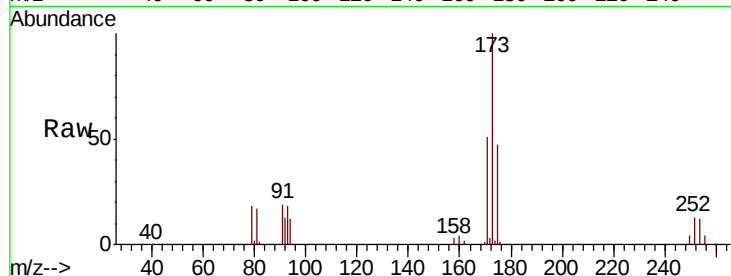
#71
Bromoform
Concen: 58.634 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.8	74.3
254	0.1	0.2	0.2#

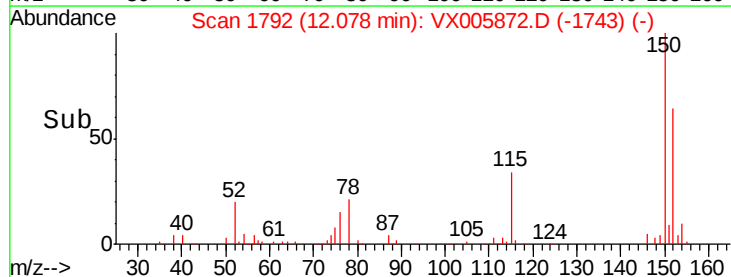
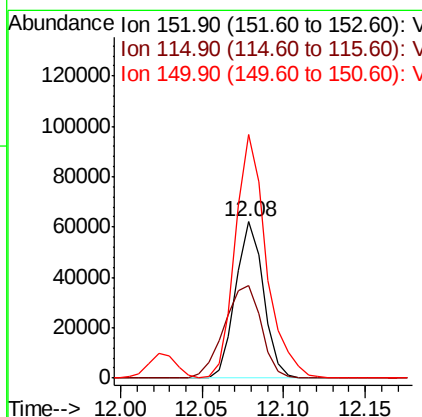
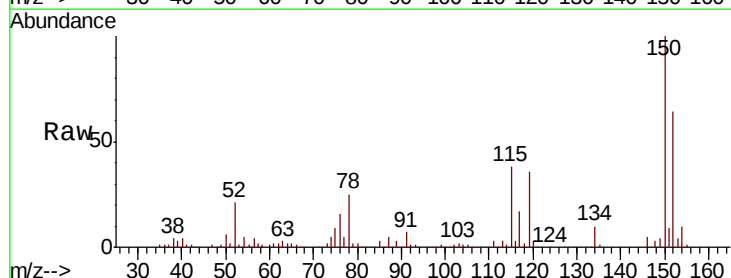
Manual Integrations
APPROVED

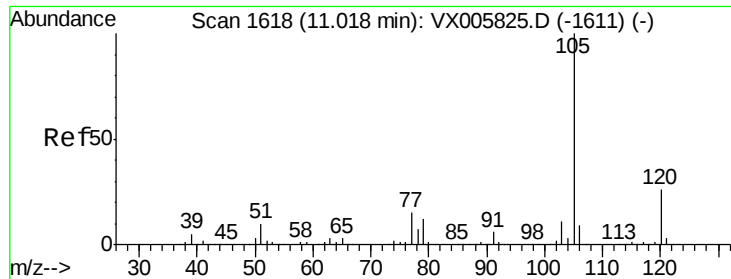
MMDadoda
11/12/2018 9:11:53 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.4	39.4	118.1
150	172.3	0.0	346.4





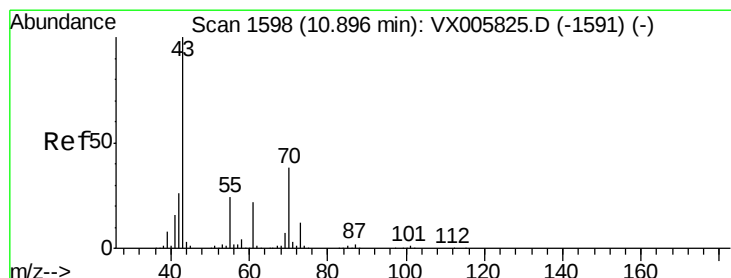
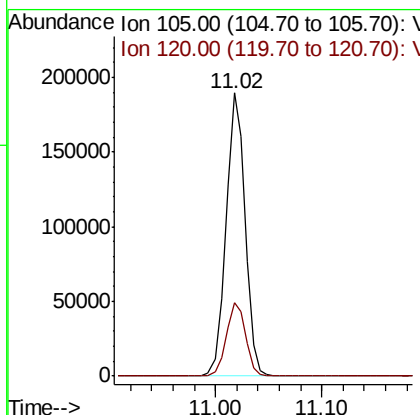
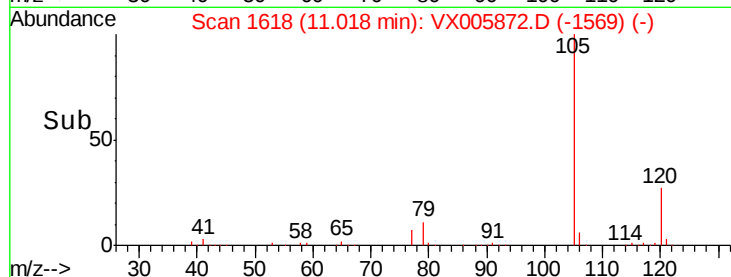
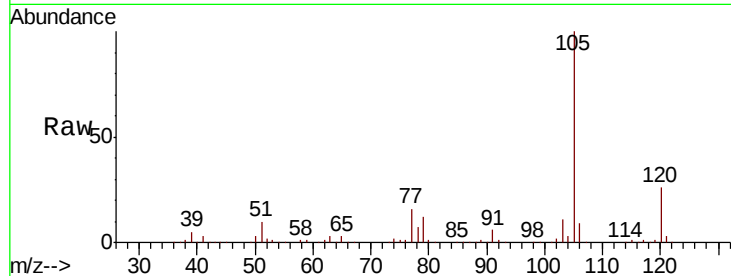
#73
Isopropylbenzene
Concen: 55.202 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

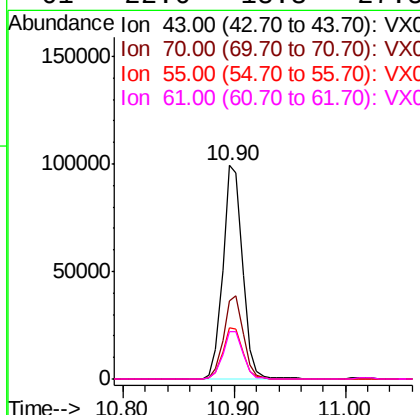
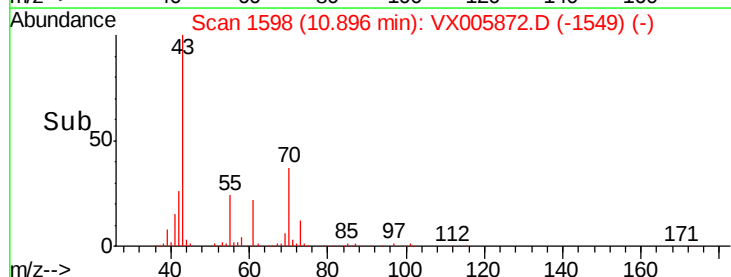
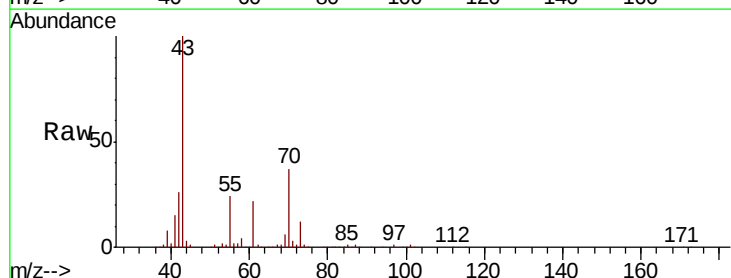
Manual Integrations
APPROVED

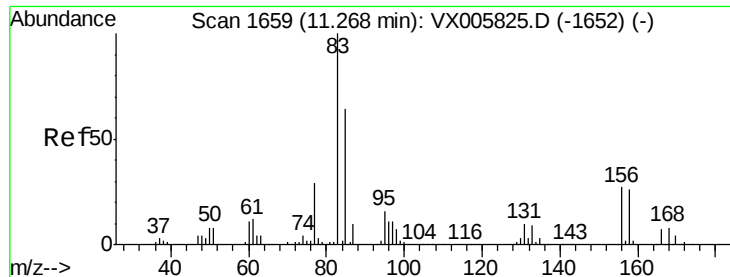
MMDadoda
11/12/2018 9:11:53 AM



#74
N-ethyl acetate
Concen: 50.250 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.6	47.4
55	24.6	19.7	29.5
61	22.6	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.053 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 82195

Ion Ratio Lower Upper

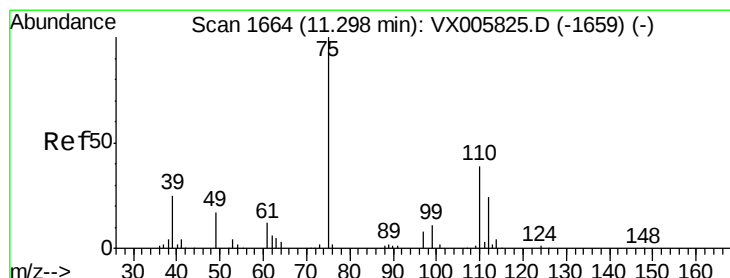
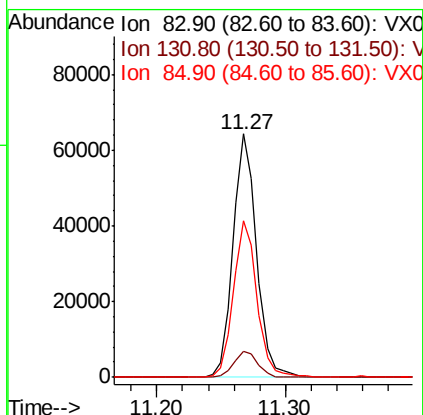
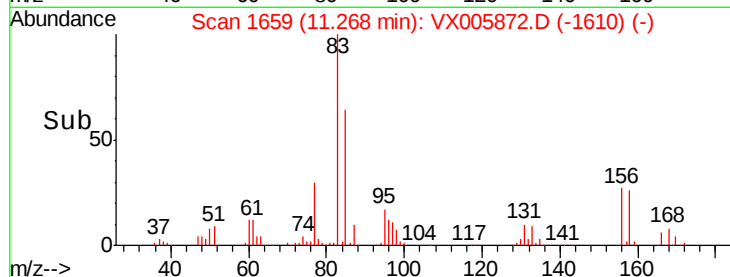
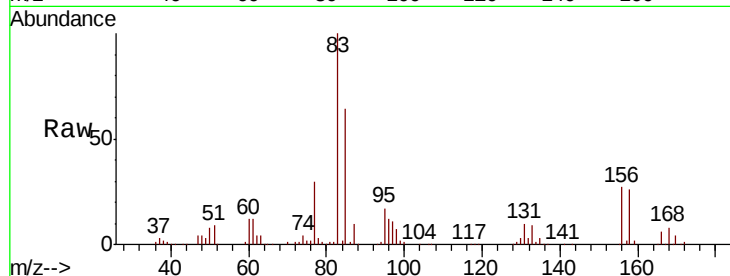
83 100

131 10.7 5.3 15.9

85 64.7 32.0 96.2

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:11:53 AM



#76

1,2,3-Trichloropropane

Concen: 52.348 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005872.D

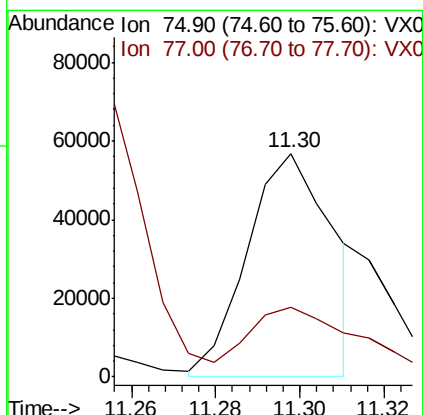
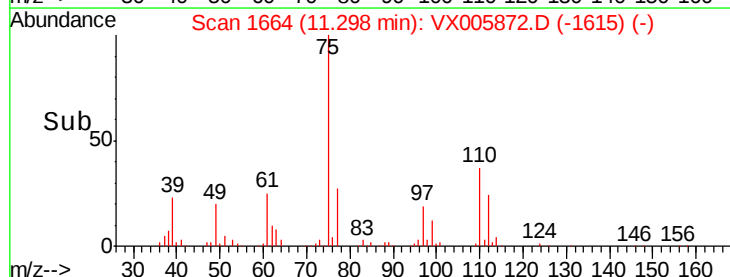
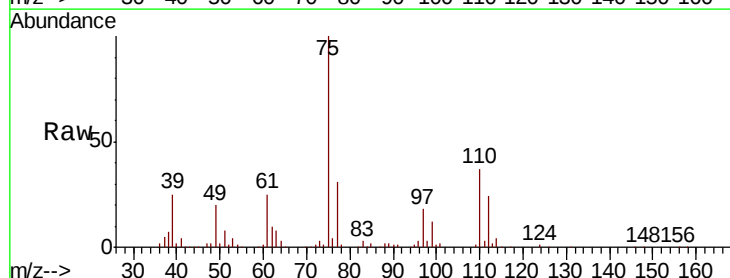
Acq: 09 Nov 2018 19:58

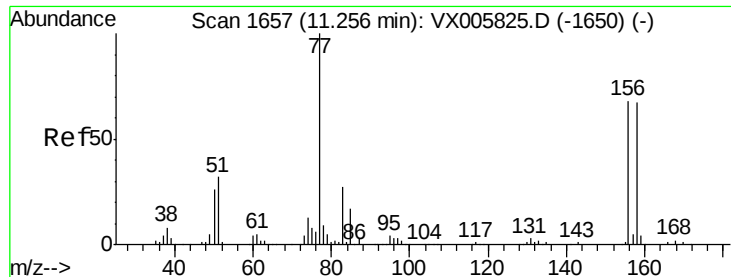
Tgt Ion: 75 Resp: 79297

Ion Ratio Lower Upper

75 100

77 40.0 20.5 61.6





#77

Bromobenzene

Concen: 51.284 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 62186

Ion Ratio Lower Upper

156 100

77 149.8 74.8 224.4

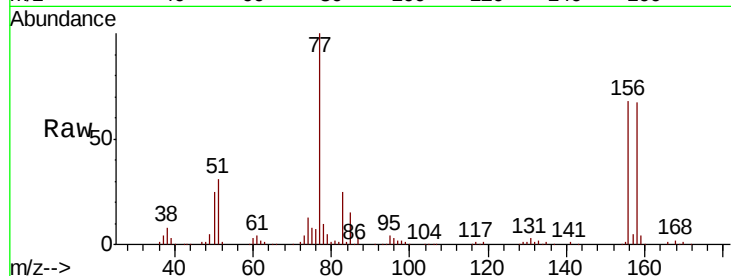
158 98.5 49.1 147.3

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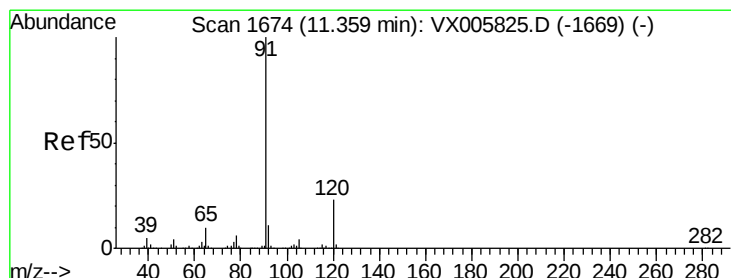
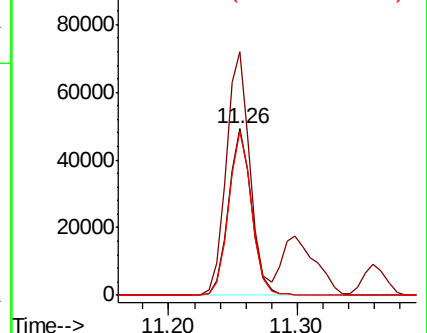
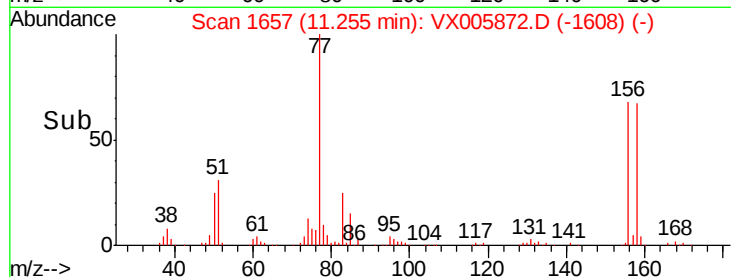
11/12/2018 9:11:53 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.335 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005872.D

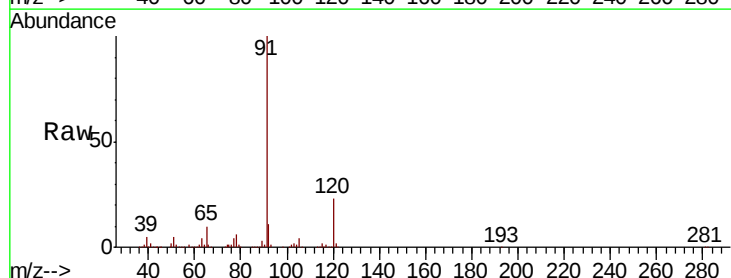
Acq: 09 Nov 2018 19:58

Tgt Ion: 91 Resp: 275484

Ion Ratio Lower Upper

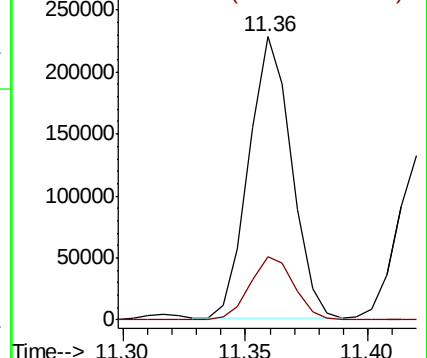
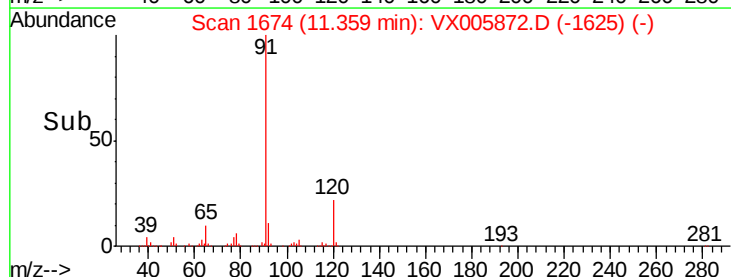
91 100

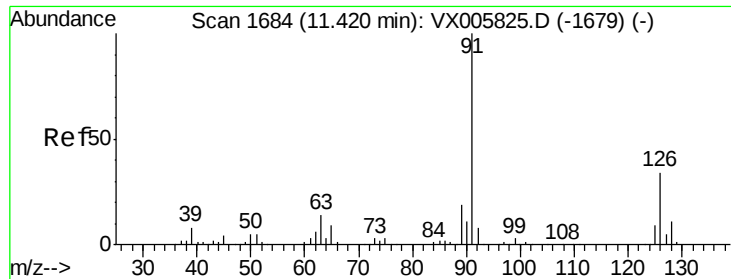
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





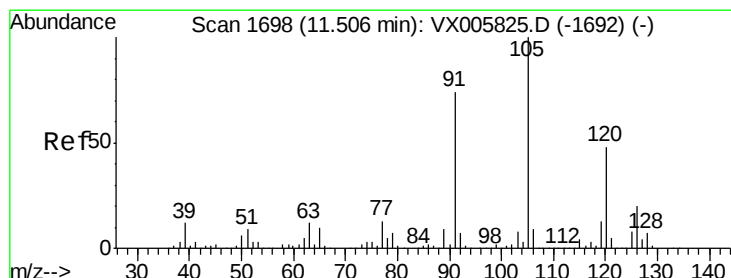
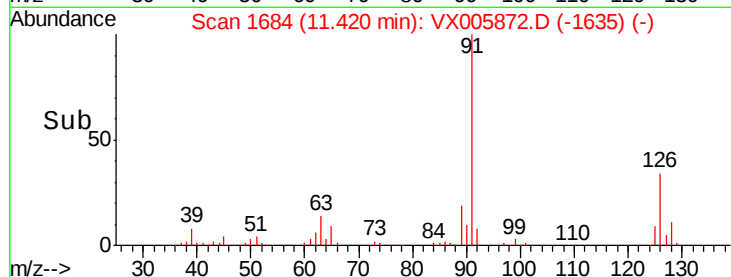
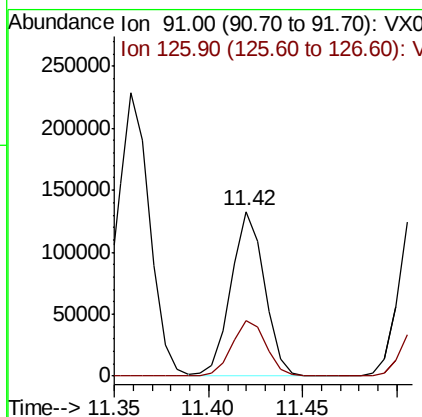
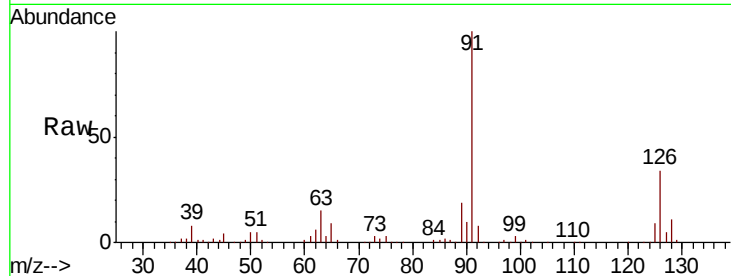
#79
2-Chlorotoluene
Concen: 53.101 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 162730
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0

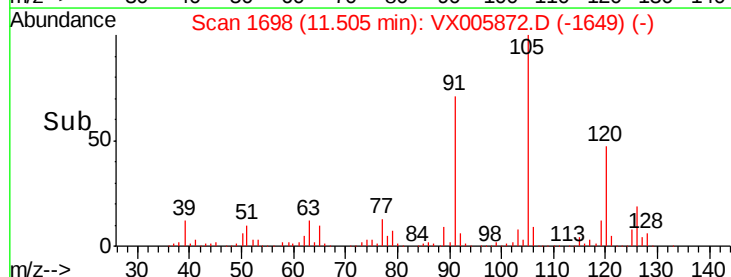
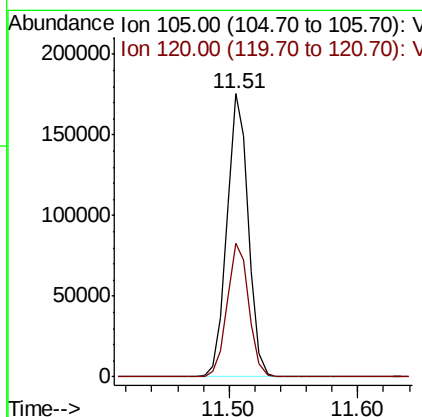
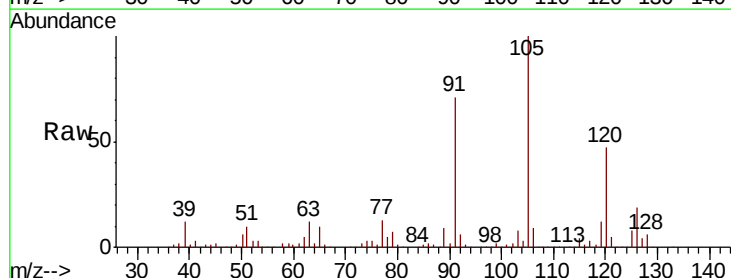
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 56.064 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion: 105 Resp: 204962
Ion Ratio Lower Upper
105 100
120 47.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.732 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 25538

Ion Ratio Lower Upper

75 100

53 97.8 80.2 120.2

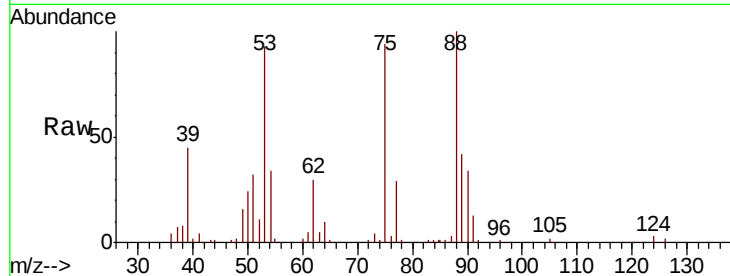
89 44.7 39.8 59.8

Manual Integrations

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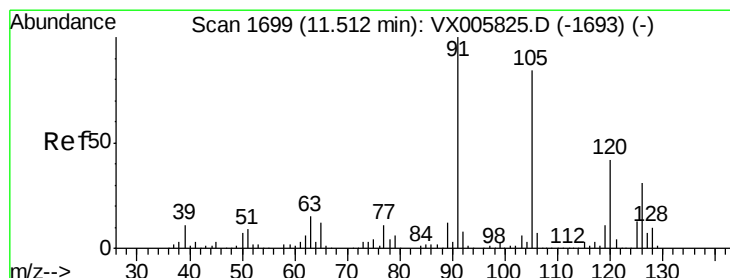
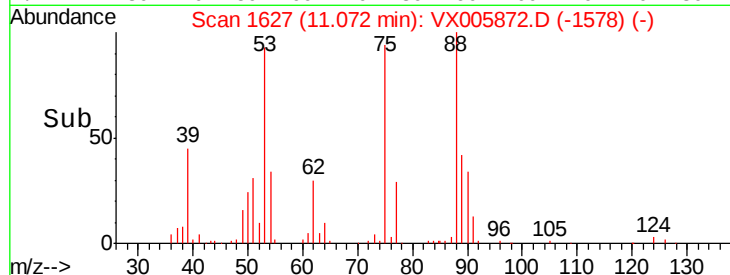
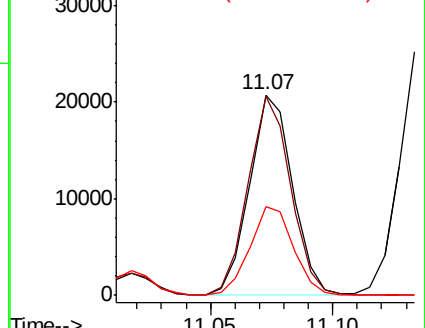
11/12/2018 9:11:53 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.949 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005872.D

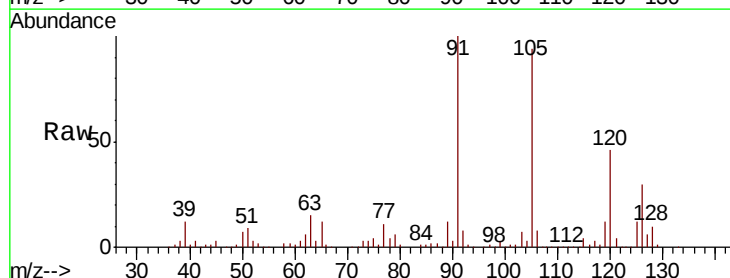
Acq: 09 Nov 2018 19:58

Tgt Ion: 91 Resp: 194848

Ion Ratio Lower Upper

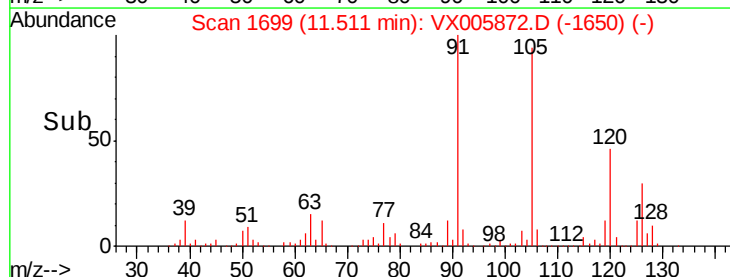
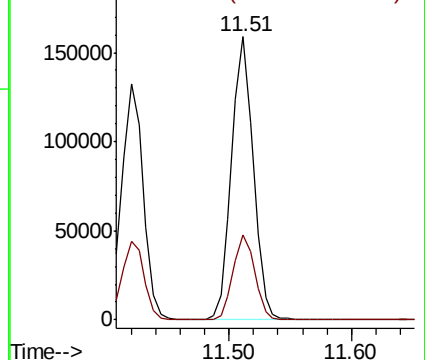
91 100

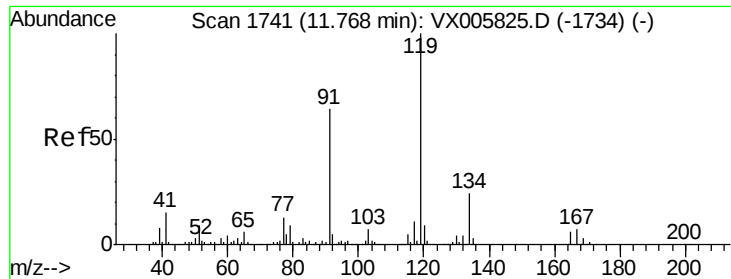
126 30.1 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





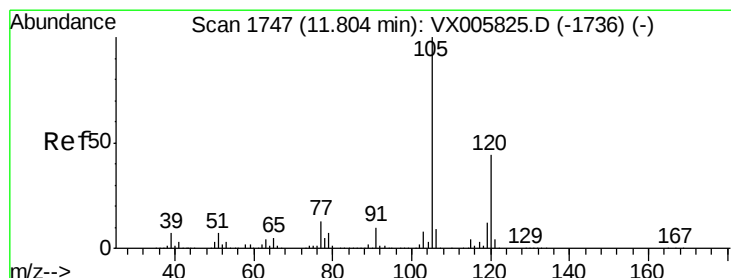
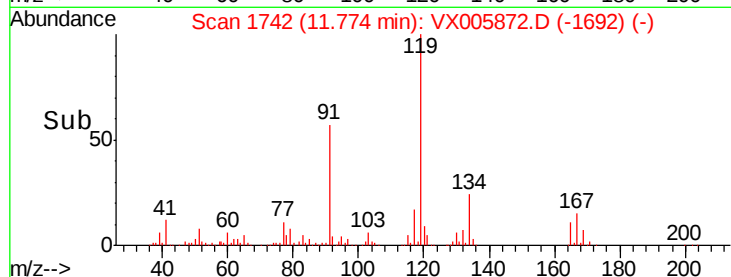
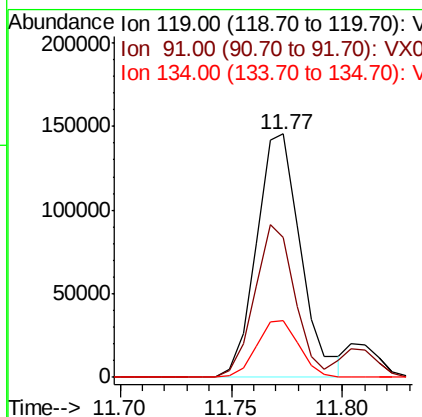
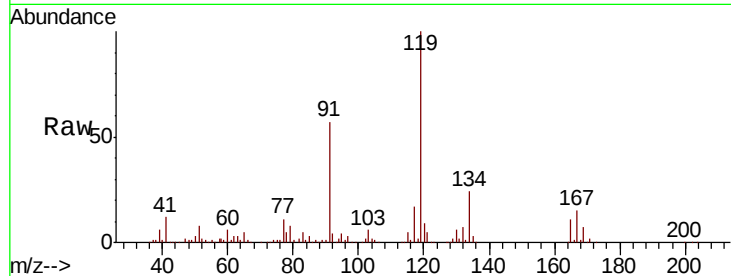
#83
tert-Butylbenzene
Concen: 54.242 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	200617		
91	57.3		28.5	85.5
134	22.5		11.3	33.8

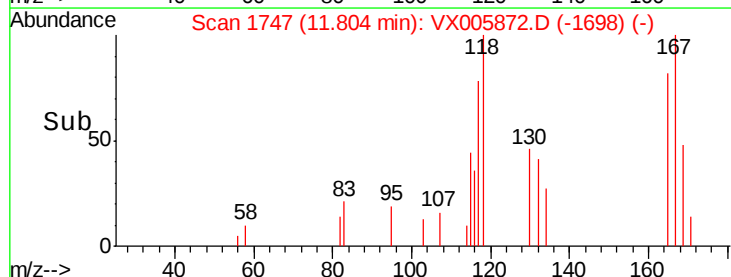
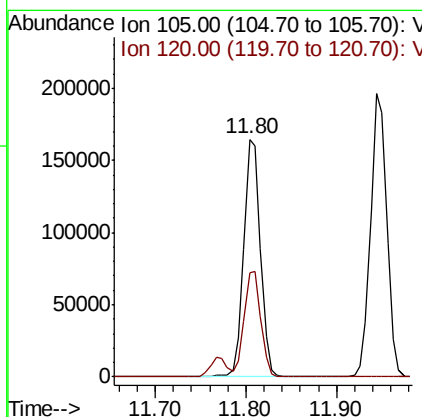
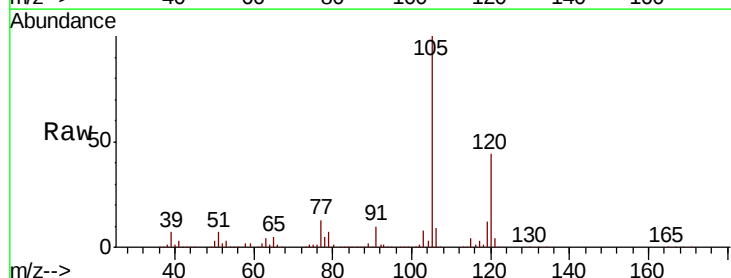
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#84
1,2,4-Trimethylbenzene
Concen: 51.856 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209199		
120	44.4		22.4	67.0





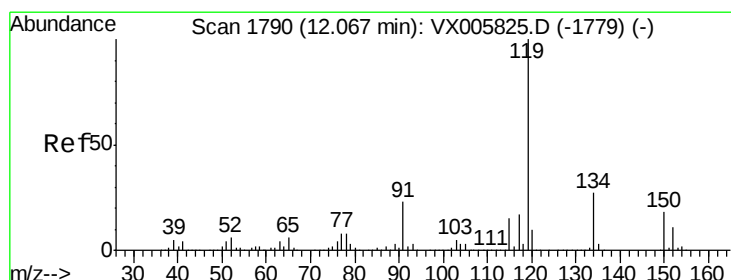
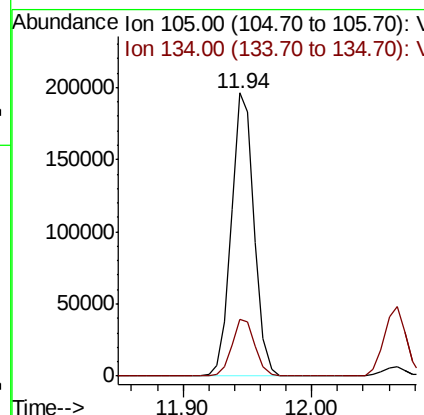
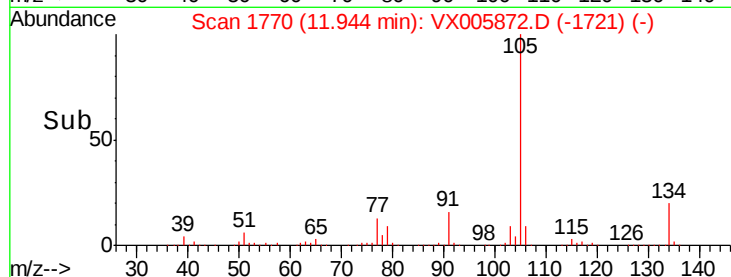
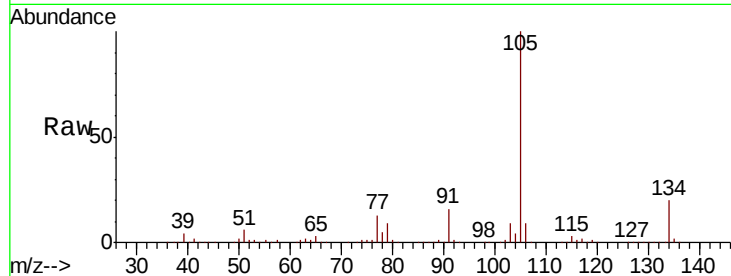
#85
 sec-Butylbenzene
 Concen: 53.774 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4

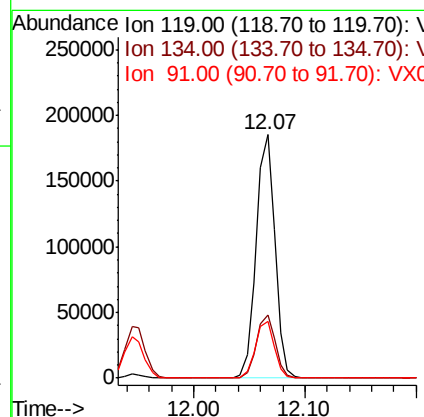
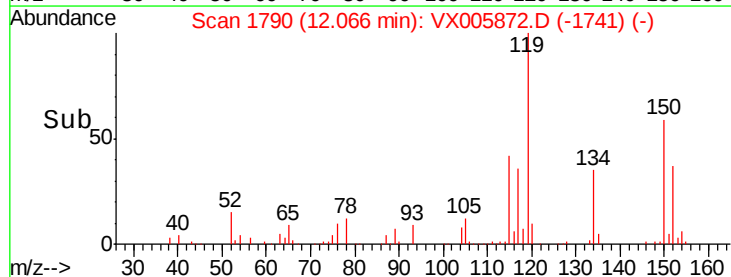
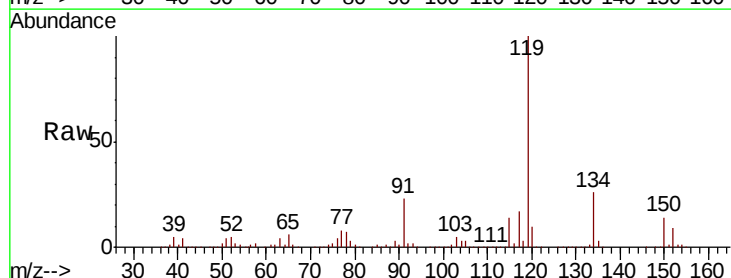
Manual Integrations
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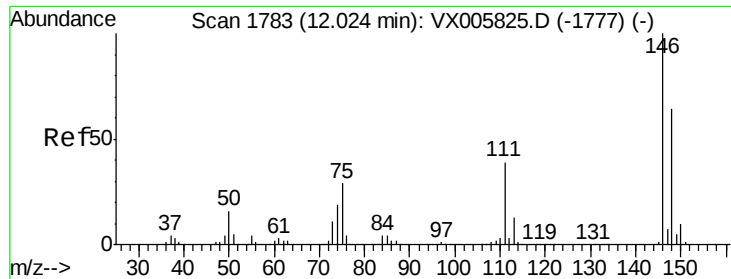
MMDadoda
 11/12/2018 9:11:53 AM



#86
 p-Isopropyltoluene
 Concen: 54.413 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.5	11.4	34.2





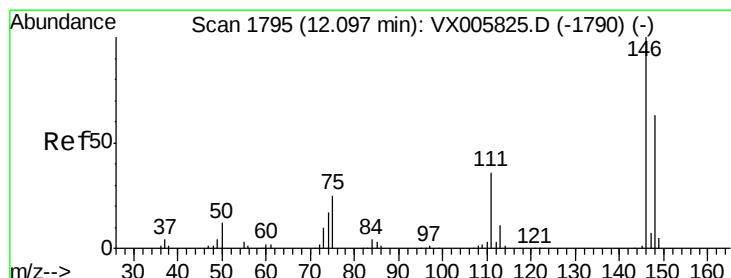
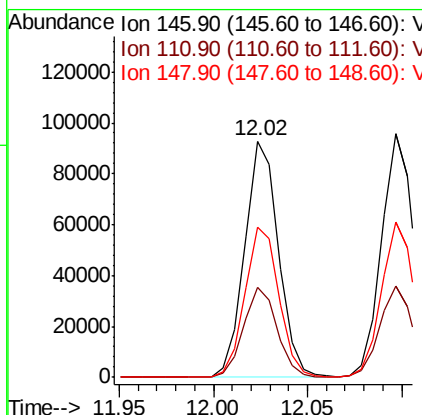
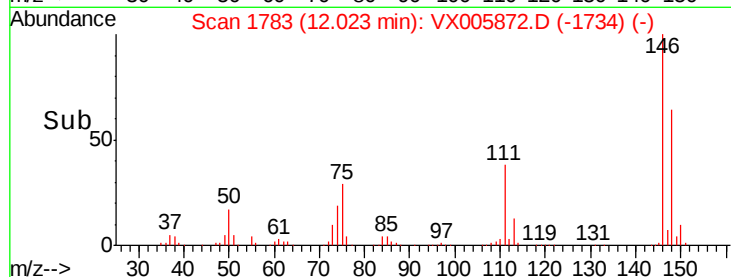
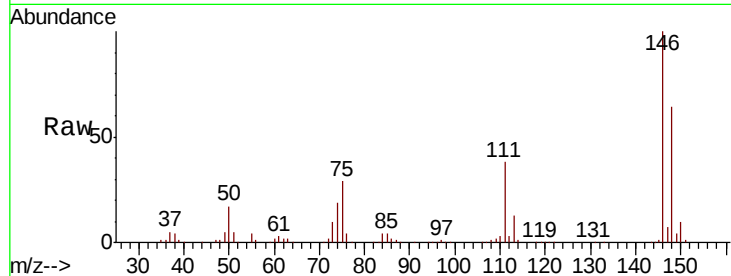
#87
 1,3-Dichlorobenzene
 Concen: 49.659 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.2	31.9	95.9

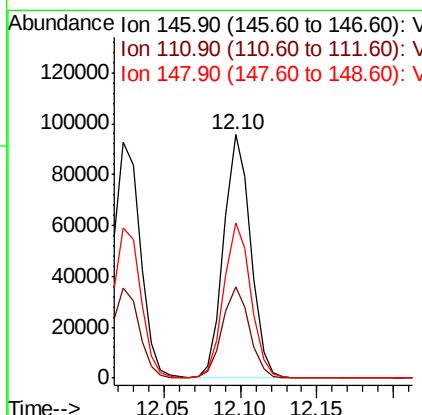
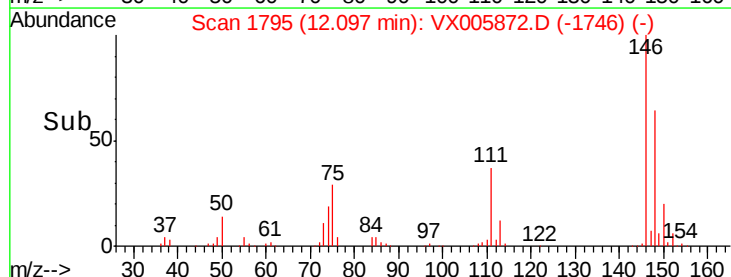
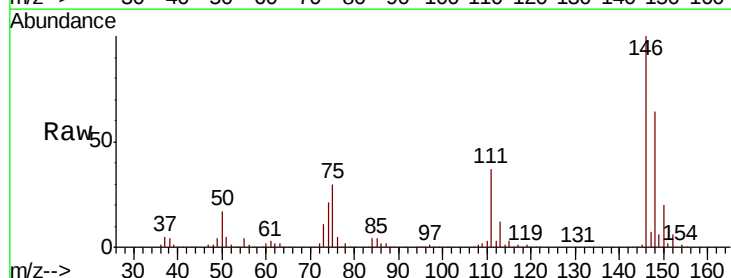
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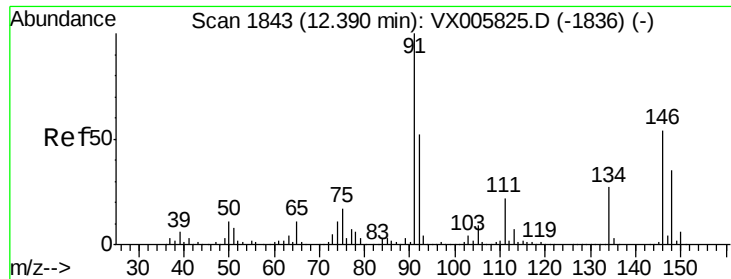
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#88
 1,4-Dichlorobenzene
 Concen: 49.190 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.0	32.1	96.3





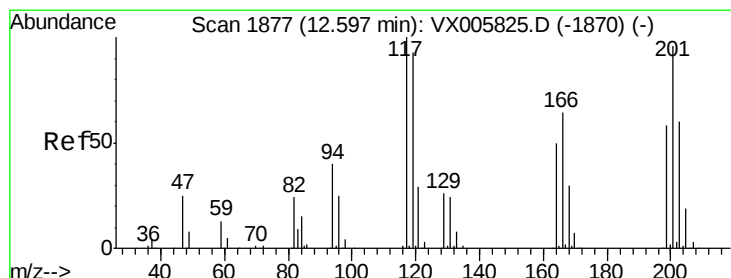
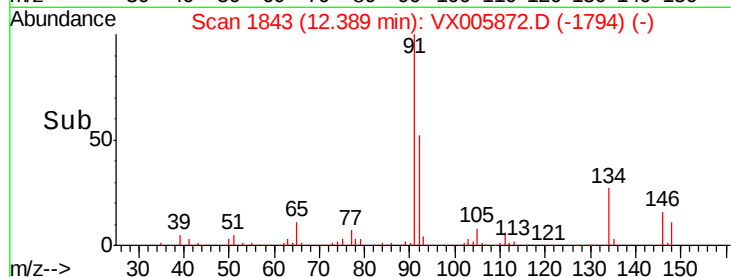
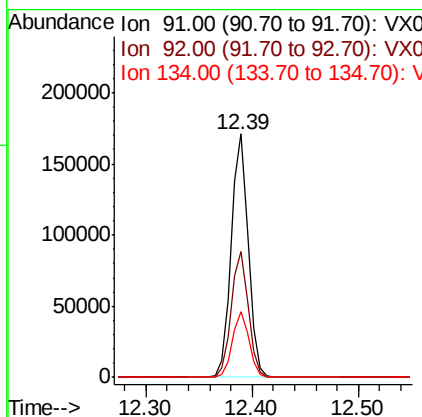
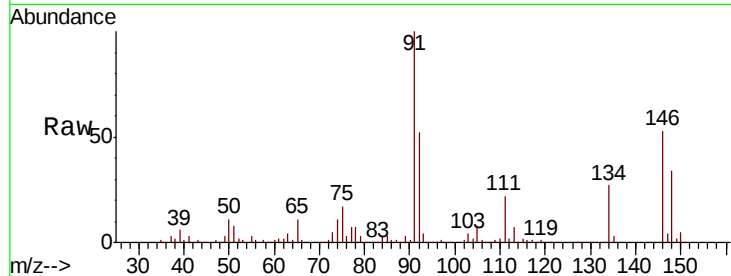
#89
n-Butylbenzene
Concen: 51.920 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	26.4	13.1	39.3

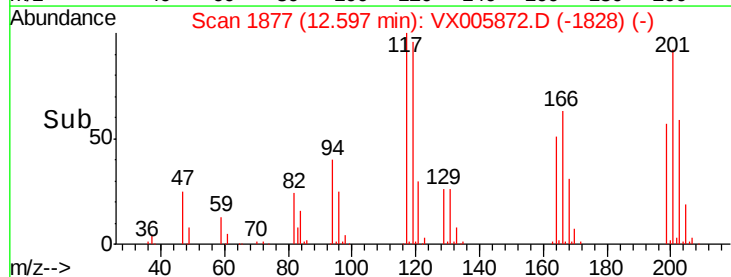
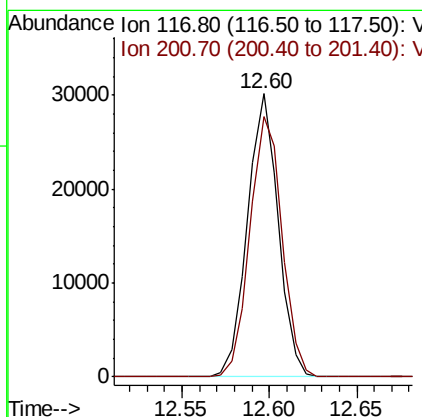
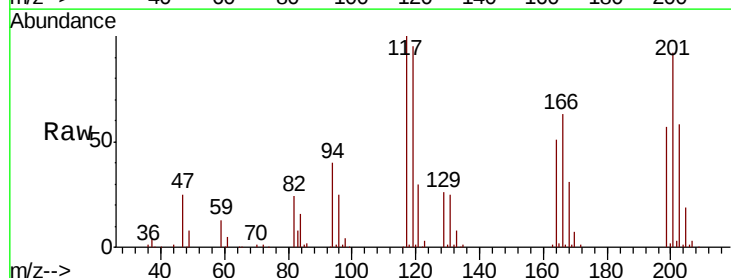
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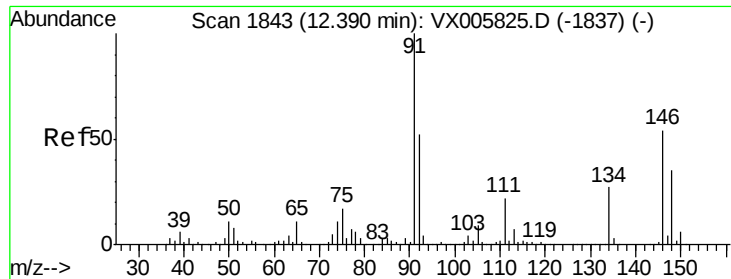
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#90
Hexachloroethane
Concen: 55.073 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	47.9	143.6





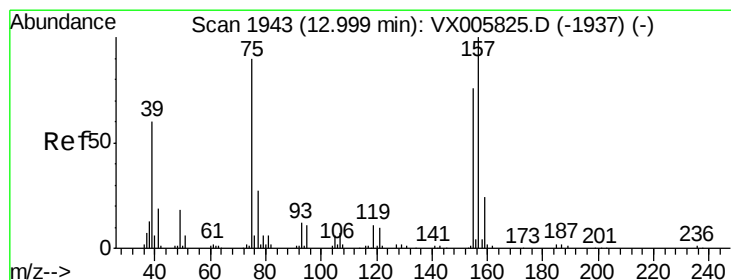
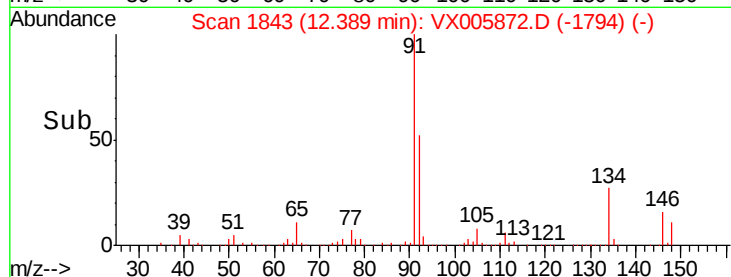
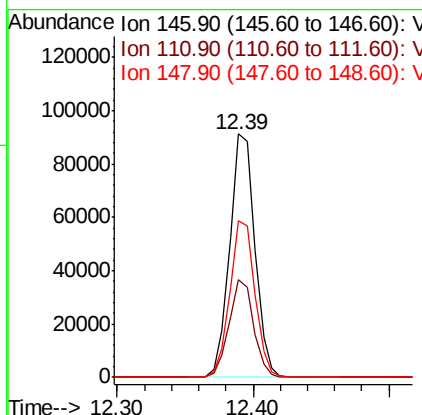
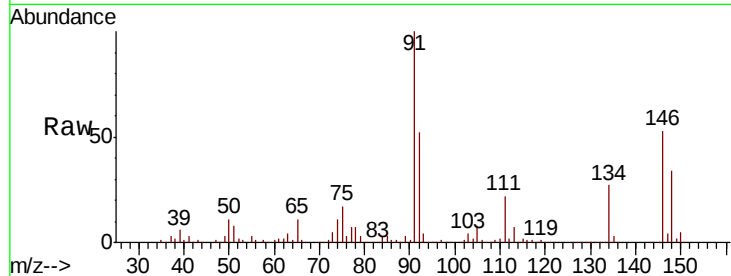
#91
 1,2-Dichlorobenzene
 Concen: 50.277 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	64.3	32.2	96.6

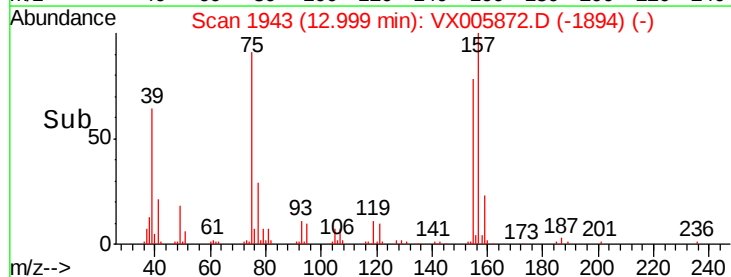
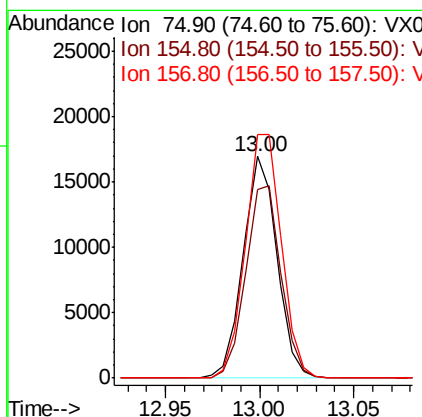
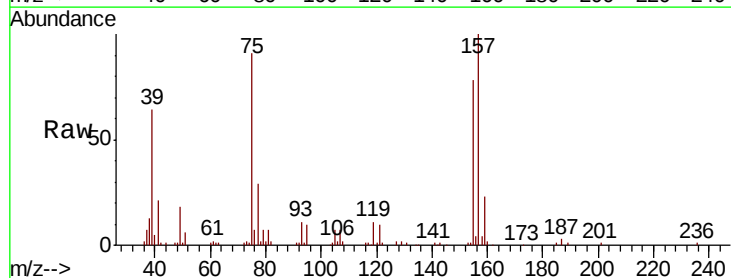
Manual Integrations
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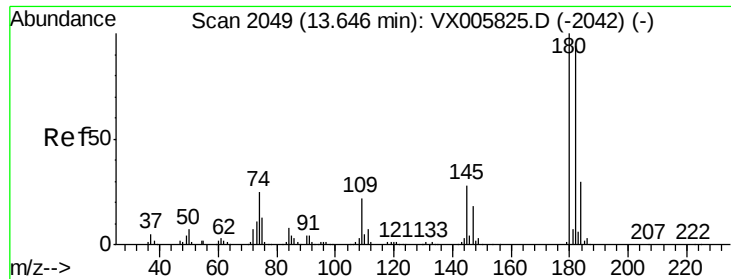
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.746 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005872.D
 Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	45.4	136.1
157	117.0	57.4	172.0





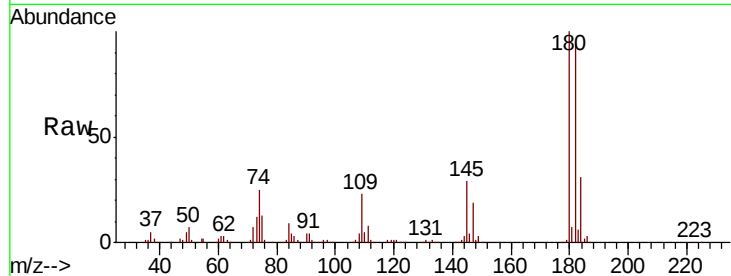
#93
1,2,4-Trichlorobenzene
Concen: 53.250 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.8
145	28.0	14.1	42.2

Manual Integrations
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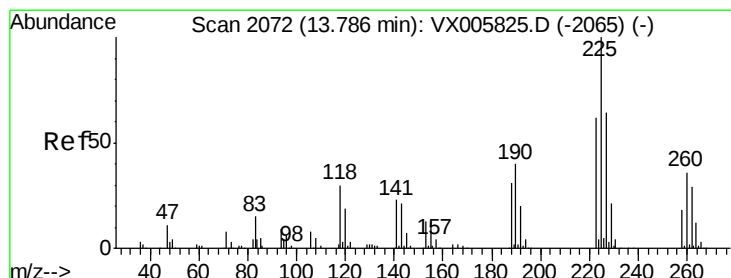
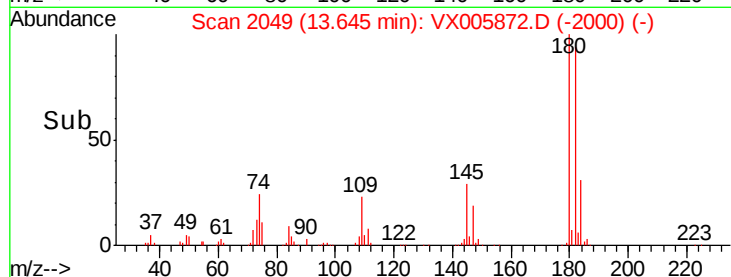
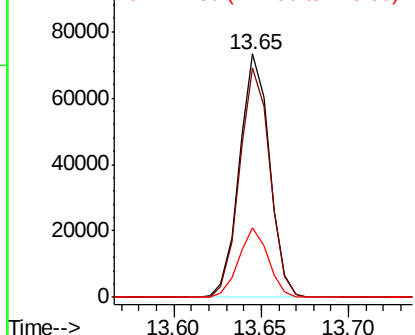


Abundance

Ion 179.80 (179.50 to 180.50): V

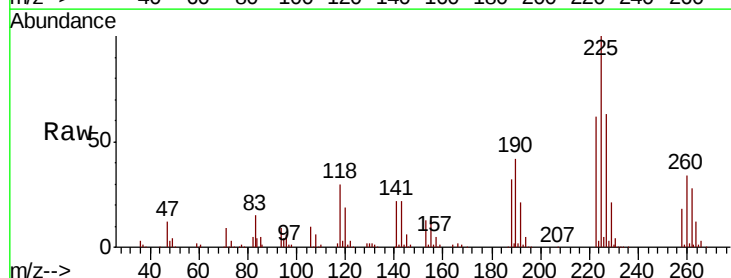
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 50.116 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005872.D
Acq: 09 Nov 2018 19:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.7	95.1
227	62.8	32.3	96.9

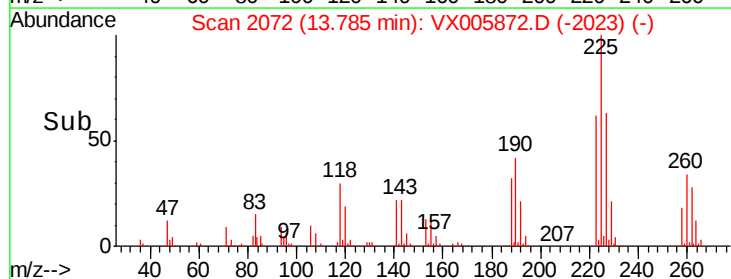
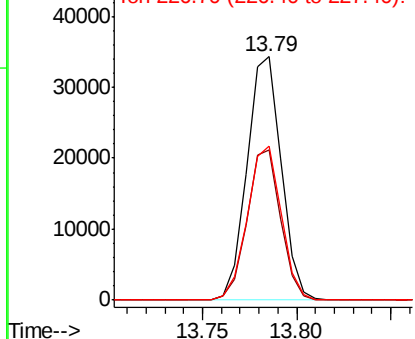


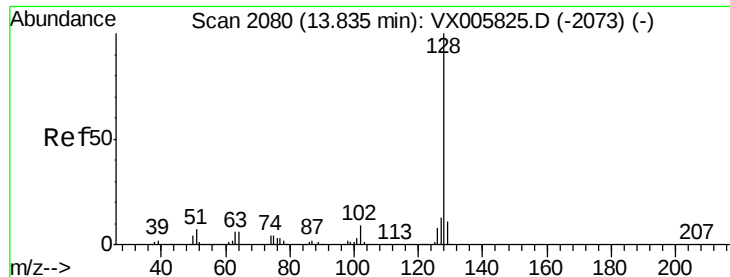
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.063 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Instrument :

MSVOA_X

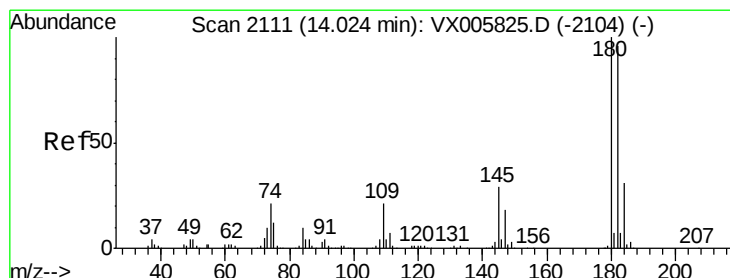
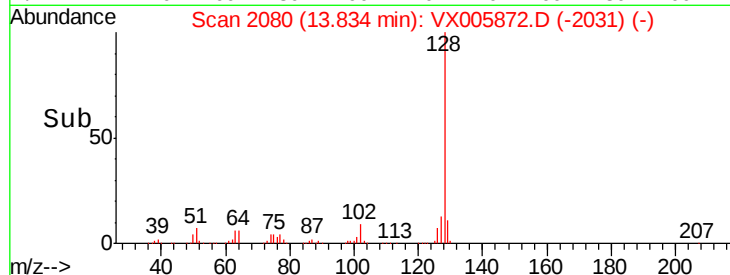
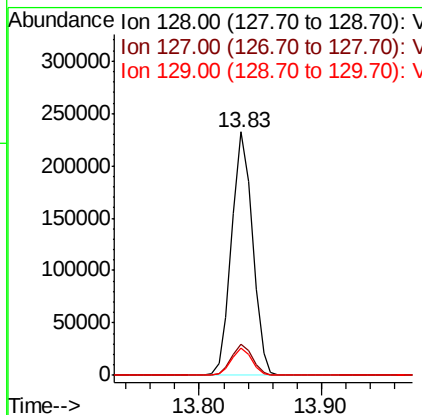
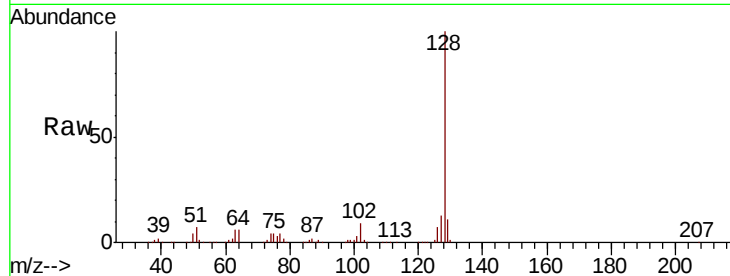
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	273431
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:11:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.781 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005872.D

Acq: 09 Nov 2018 19:58

Tgt Ion:	180	Resp:	89919
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.0	144.2
145	29.7	15.1	45.3

