

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004722.D
 Acq On : 26 Sep 2018 11:59
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 10/1/2018 1:30:58 PM

Quant Time: Sep 26 13:29:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 13:18:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	438294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	382401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251426	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	23074	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
35) Dibromofluoromethane	5.51	113	19001	4.88	ug/l	0.00
Spiked Amount			Recovery	=	9.76%	
50) Toluene-d8	8.72	98	63570	5.48	ug/l	0.00
Spiked Amount			Recovery	=	10.96%	
62) 4-Bromofluorobenzene	11.14	95	21203	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	15569	3.305	ug/l	98
3) Chloromethane	1.32	50	22621	4.356	ug/l	99
4) Vinyl Chloride	1.40	62	22127	4.536	ug/l	94
5) Bromomethane	1.64	94	14033	5.006	ug/l	93
6) Chloroethane	1.71	64	14921	5.592	ug/l	96
7) Trichlorofluoromethane	1.92	101	28007	4.485	ug/l	94
8) Diethyl Ether	2.19	74	12830	5.397	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	16804	5.399	ug/l	97
10) Methyl Iodide	2.51	142	19214	3.811	ug/l	96
11) Tert butyl alcohol	3.08	59	30062	25.315	ug/l	96
12) 1,1-Dichloroethene	2.37	96	17572	5.707	ug/l	89
13) Acrolein	2.29	56	20661	25.322	ug/l	97
14) Allyl chloride	2.73	41	37283	5.200	ug/l	93
15) Acrylonitrile	3.15	53	70286	25.991	ug/l	99
16) Acetone	2.45	43	60582	23.750	ug/l	97
17) Carbon Disulfide	2.56	76	46972	4.780	ug/l	98
18) Methyl Acetate	2.78	43	31929	5.141	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	55586	5.134	ug/l	96
20) Methylene Chloride	2.85	84	21066	5.210	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	18718	5.168	ug/l	97
22) Diisopropyl ether	3.87	45	58924	4.875	ug/l	94
23) Vinyl Acetate	3.82	43	261545	22.805	ug/l	97
24) 1,1-Dichloroethane	3.70	63	37014	5.082	ug/l	99
25) 2-Butanone	4.71	43	91935	24.791	ug/l	93
26) 2,2-Dichloropropane	4.59	77	24008	4.961	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	20148	4.987	ug/l	99
28) Bromochloromethane	5.01	49	16939	5.299	ug/l	93
29) Tetrahydrofuran	5.16	42	56376	23.536	ug/l	91
30) Chloroform	5.22	83	35312	5.575	ug/l	100
31) Cyclohexane	5.57	56	25522	4.277	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	27565	5.092	ug/l	98
36) 1,1-Dichloropropene	5.79	75	24272	4.915	ug/l	99
37) Ethyl Acetate	4.86	43	32903	4.875	ug/l	99
38) Carbon Tetrachloride	5.78	117	24065	4.621	ug/l	94

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Sep 26 13:29:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 13:18:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	24198	4.780	ug/l	93
40) Benzene	6.14	78	77626	5.104	ug/l	98
41) Methacrylonitrile	5.06	41	15878	4.085	ug/l	94
42) 1,2-Dichloroethane	6.20	62	27993	5.129	ug/l	100
43) Isopropyl Acetate	6.46	43	43818	4.216	ug/l	95
44) Trichloroethene	7.21	130	19962	5.634	ug/l	93
45) 1,2-Dichloropropane	7.52	63	19310	5.306	ug/l	100
46) Dibromomethane	7.66	93	11371	5.013	ug/l	96
47) Bromodichloromethane	7.90	83	21686	4.992	ug/l #	94
48) Methyl methacrylate	7.77	41	18910	4.217	ug/l	97
49) 1,4-Dioxane	7.76	88	10718	95.267	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	145441	23.654	ug/l	95
52) Toluene	8.78	92	43751	5.003	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	21917	4.007	ug/l	95
54) cis-1,3-Dichloropropene	8.44	75	25327	4.730	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	19136	5.015	ug/l	94
56) Ethyl methacrylate	9.18	69	24564	4.229	ug/l	99
57) 1,3-Dichloropropane	9.37	76	30485	4.671	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	64250	20.695	ug/l	93
59) 2-Hexanone	9.50	43	119975	21.856	ug/l	91
60) Dibromochloromethane	9.59	129	17066	4.093	ug/l	94
61) 1,2-Dibromoethane	9.67	107	21699	5.008	ug/l	98
64) Tetrachloroethene	9.34	164	19731	5.149	ug/l	89
65) Chlorobenzene	10.14	112	49597	5.157	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	17927	5.337	ug/l	97
67) Ethyl Benzene	10.26	91	81498	5.299	ug/l	95
68) m/p-Xylenes	10.36	106	60848	9.671	ug/l	97
69) o-Xylene	10.70	106	26119	4.588	ug/l	99
70) Styrene	10.71	104	42752	4.389	ug/l	95
71) Bromoform	10.85	173	13602	4.508	ug/l #	98
73) Isopropylbenzene	11.02	105	69956	3.958	ug/l	98
74) N-amyl acetate	10.90	43	28415	3.292	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	30745	4.836	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	29015m	4.980	ug/l	
77) Bromobenzene	11.26	156	21437	4.469	ug/l	99
78) n-propylbenzene	11.36	91	76381	3.737	ug/l	98
79) 2-Chlorotoluene	11.42	91	49643	4.047	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	57035	3.747	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	6967	3.600	ug/l	88
82) 4-Chlorotoluene	11.51	91	62822	4.306	ug/l	99
83) tert-Butylbenzene	11.77	119	52001	3.591	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	56462	3.605	ug/l	97
85) sec-Butylbenzene	11.94	105	73014	4.143	ug/l	96
86) p-Isopropyltoluene	12.07	119	65056	4.061	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	40747	4.583	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	45756	5.070	ug/l	93
89) n-Butylbenzene	12.39	91	56496	3.921	ug/l	96
90) Hexachloroethane	12.60	117	10809	4.507	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	44874	4.941	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6787	4.741	ug/l	96

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

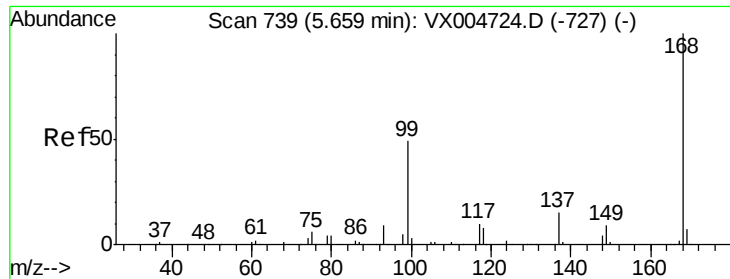
Manual Integrations
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Quant Time: Sep 26 13:29:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 13:18:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	28782	4.312	ug/l	98
94) Hexachlorobutadiene	13.79	225	16472	5.142	ug/l	96
95) Naphthalene	13.83	128	80975	3.782	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	31403	4.566	ug/l	99

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



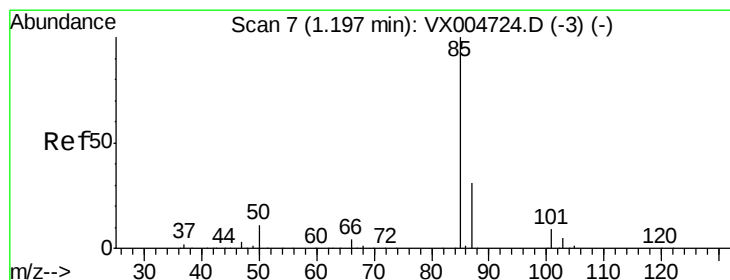
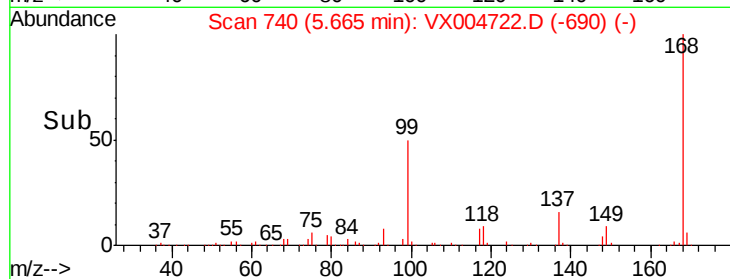
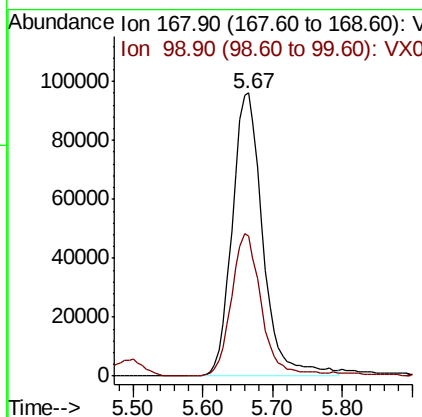
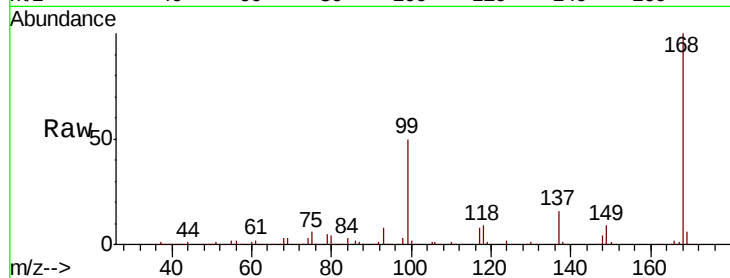
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.6	39.9	59.9

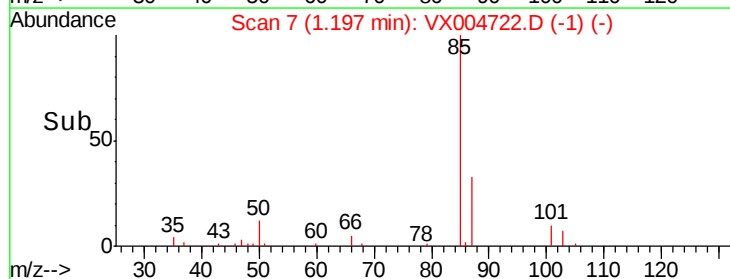
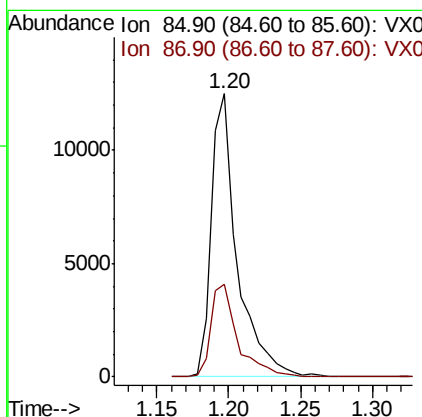
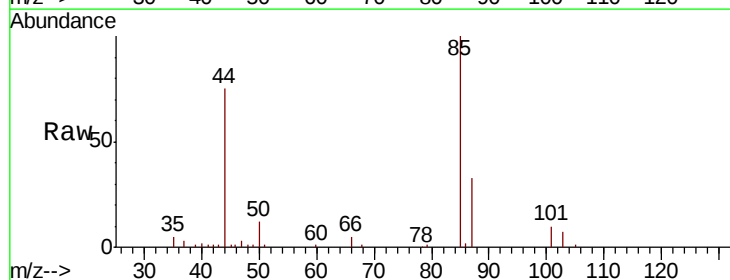
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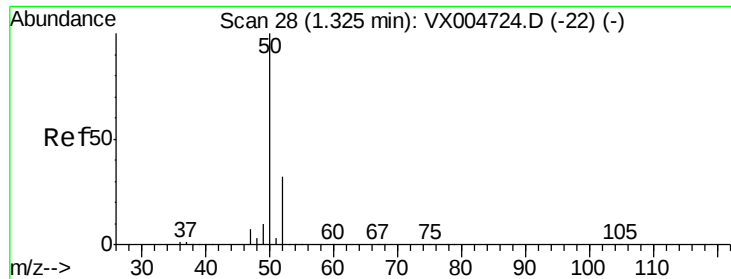
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#2
Dichlorodifluoromethane
Concen: 3.305 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.0	50.9





#3

Chloromethane

Concen: 4.356 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 22621

Ion Ratio Lower Upper

50 100

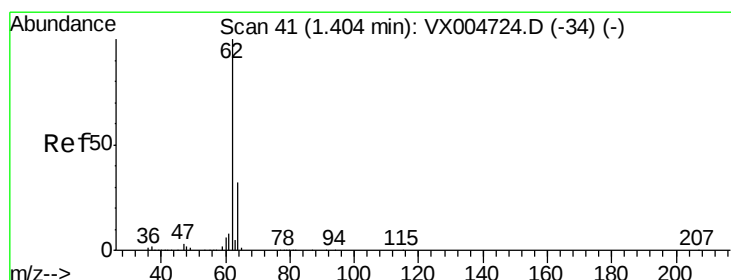
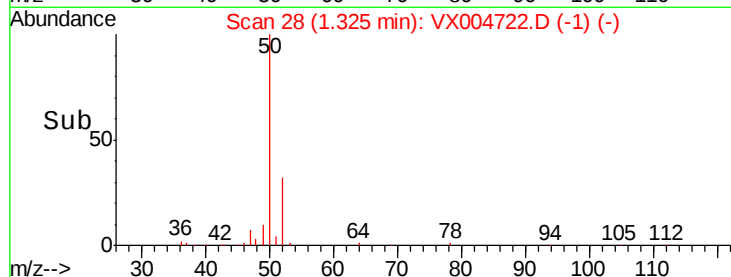
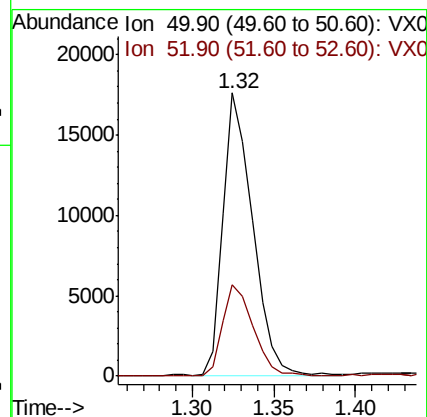
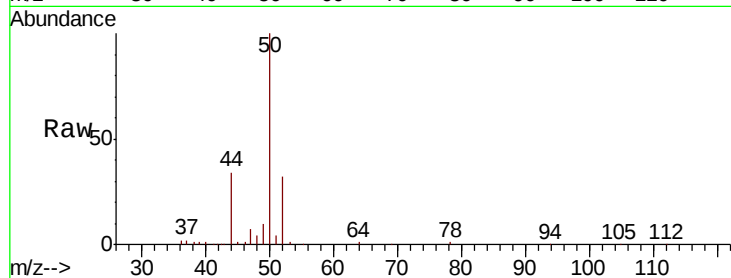
52 32.2 26.2 39.2

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#4

Vinyl Chloride

Concen: 4.536 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004722.D

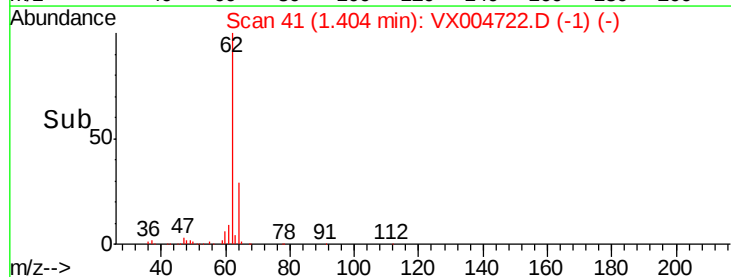
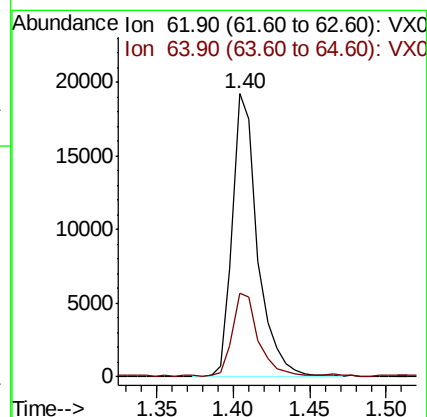
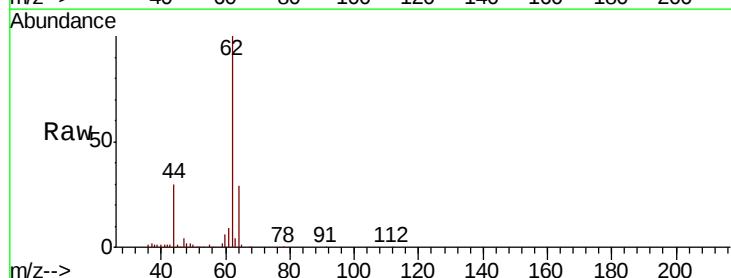
Acq: 26 Sep 2018 11:59

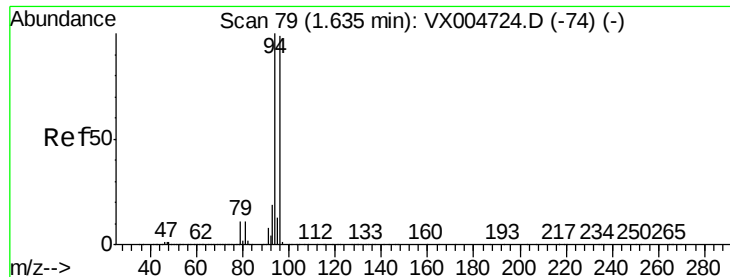
Tgt Ion: 62 Resp: 22127

Ion Ratio Lower Upper

62 100

64 29.0 25.8 38.8





#5

Bromomethane

Concen: 5.006 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14033

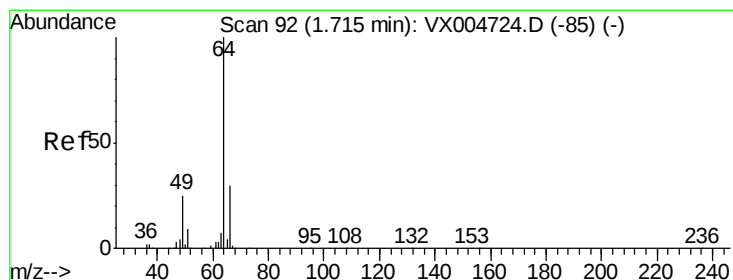
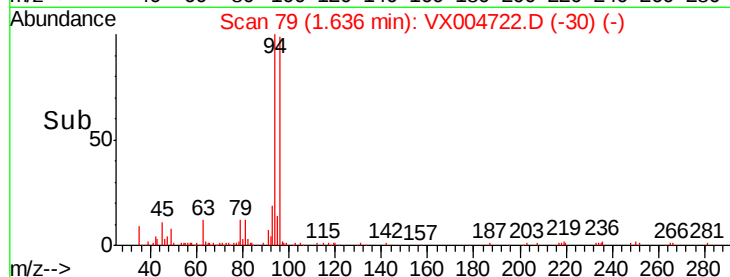
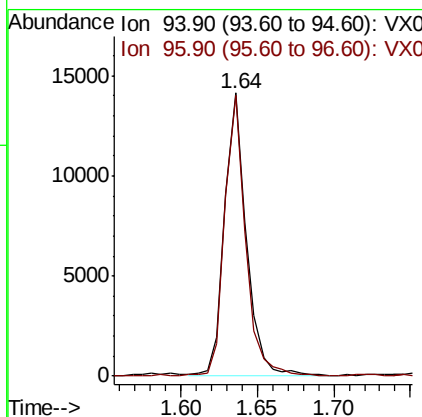
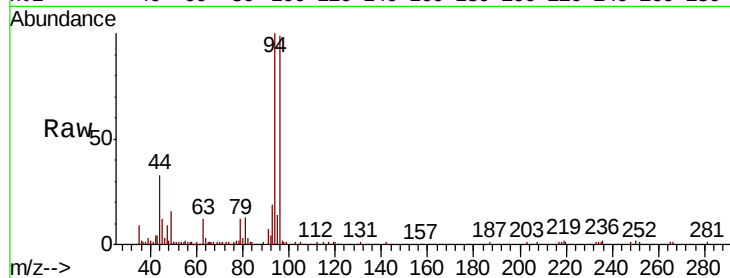
Ion Ratio Lower Upper

94 100

96 99.4 74.5 111.7

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#6

Chloroethane

Concen: 5.592 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004722.D

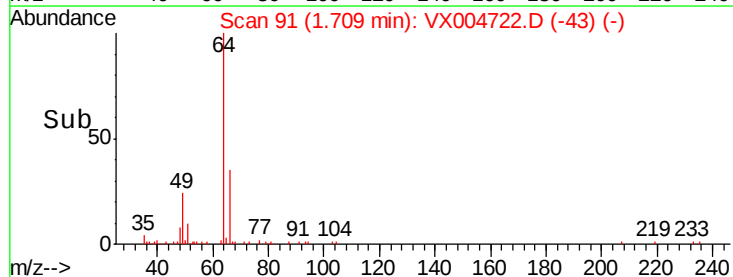
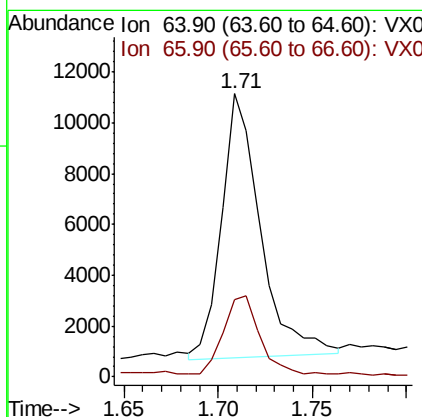
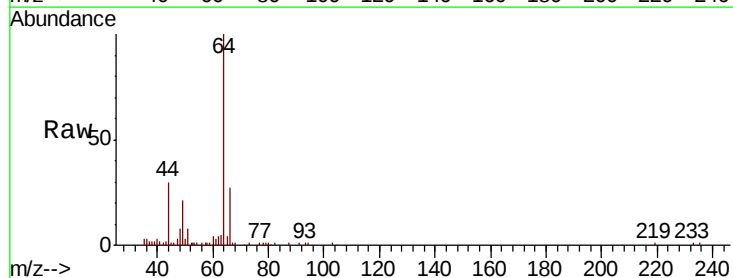
Acq: 26 Sep 2018 11:59

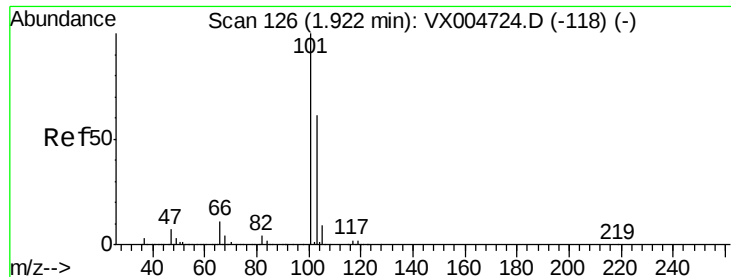
Tgt Ion: 64 Resp: 14921

Ion Ratio Lower Upper

64 100

66 28.6 24.6 36.8





#7

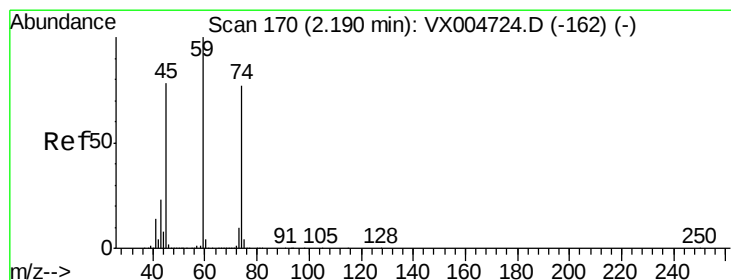
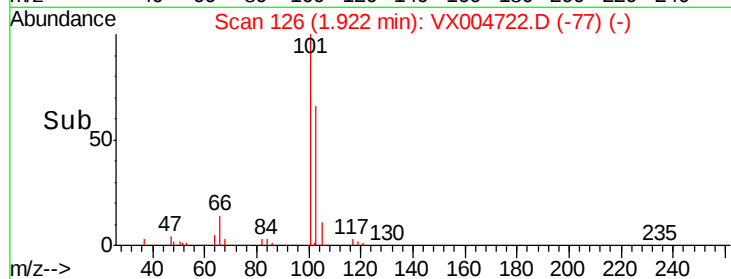
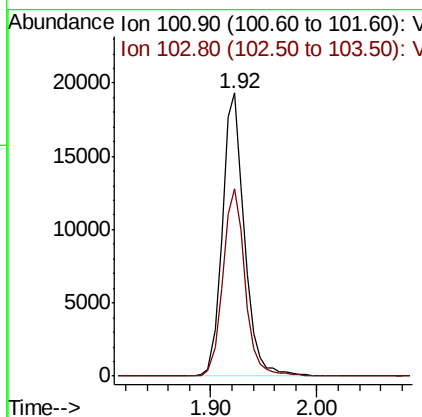
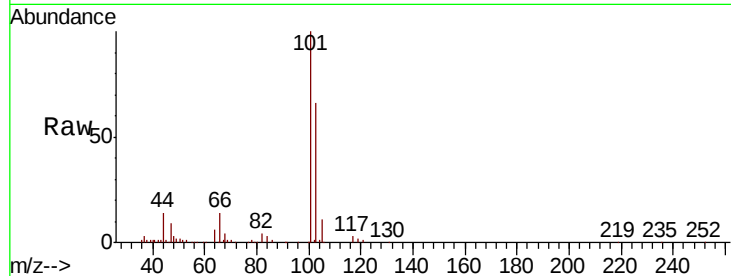
Trichlorofluoromethane
Concen: 4.485 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	48.9	73.3

Manual Integrations
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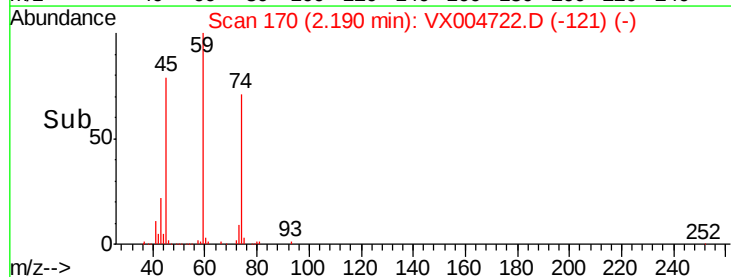
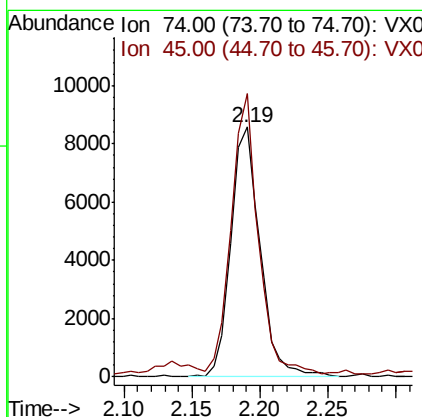
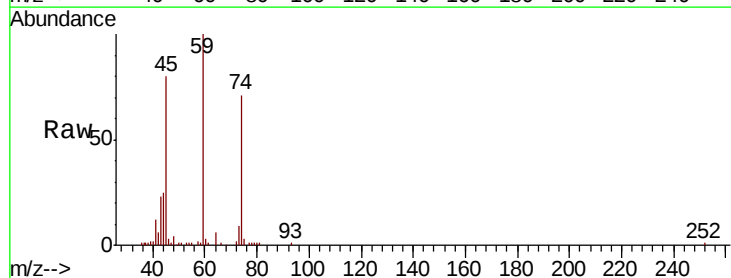
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10/1/2018 1:30:58 PM

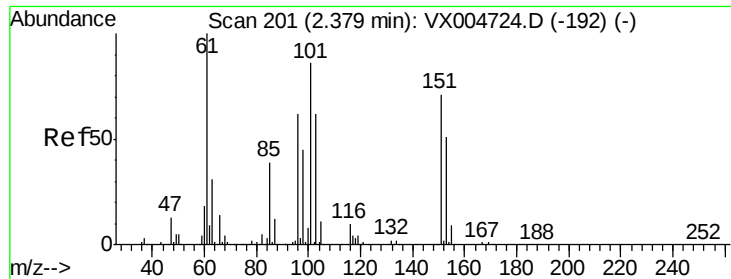


#8

Diethyl Ether
Concen: 5.397 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.399 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

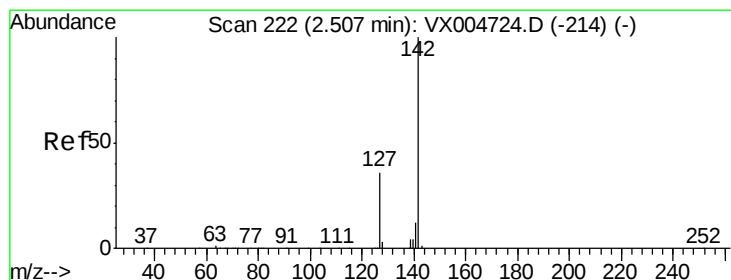
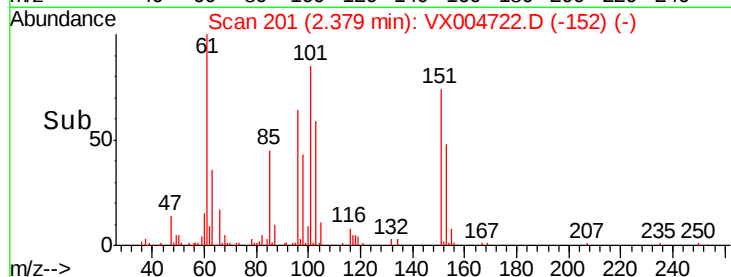
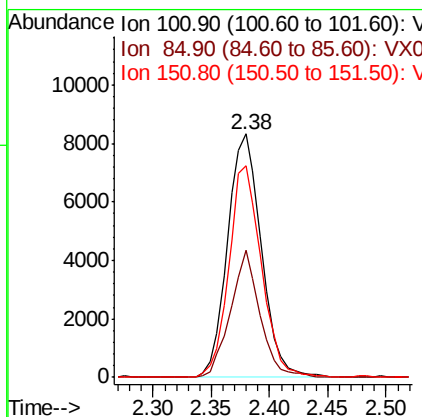
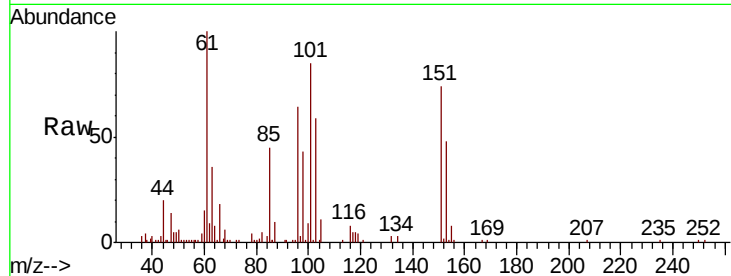
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16804
Ion Ratio	Lower	Upper	
101	100		
85	45.7	34.2	51.4
151	83.7	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 3.811 ug/l

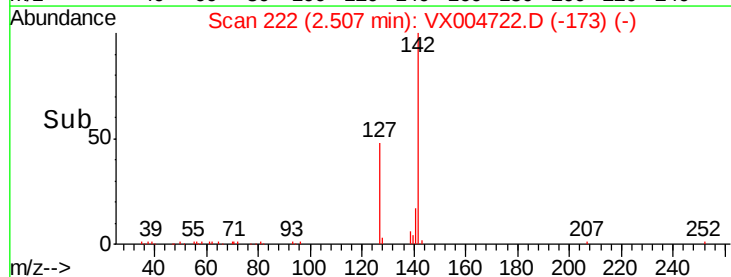
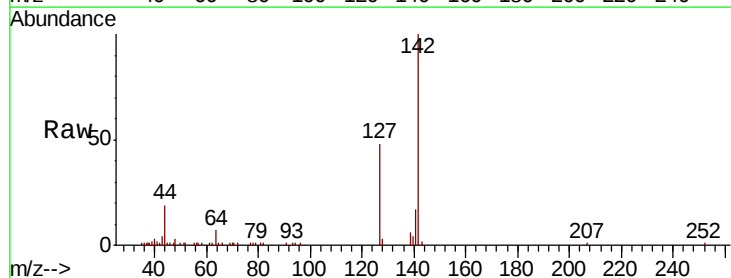
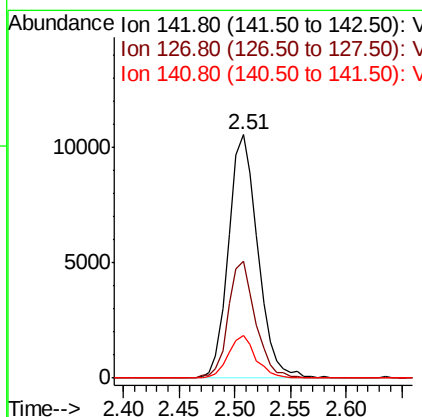
RT: 2.51 min Scan# 222

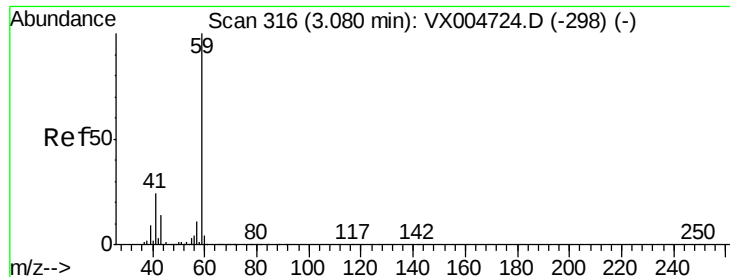
Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	142	Resp:	19214
Ion Ratio	Lower	Upper	
142	100		
127	44.6	33.8	50.6
141	16.4	11.4	17.0





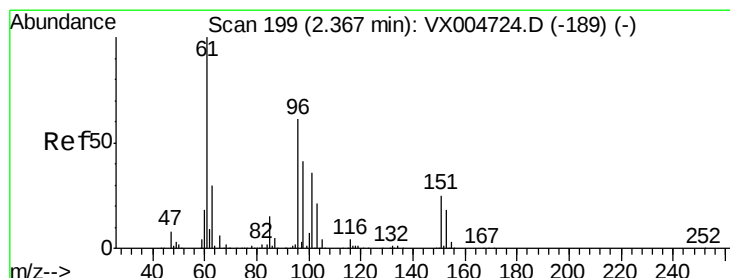
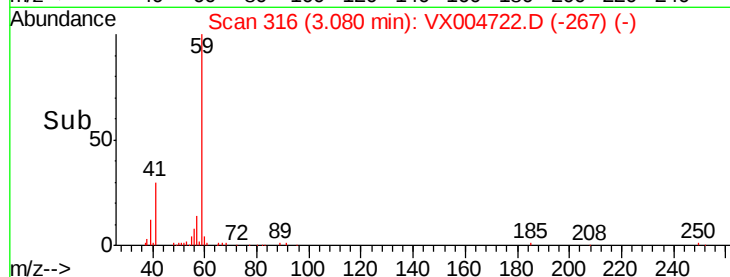
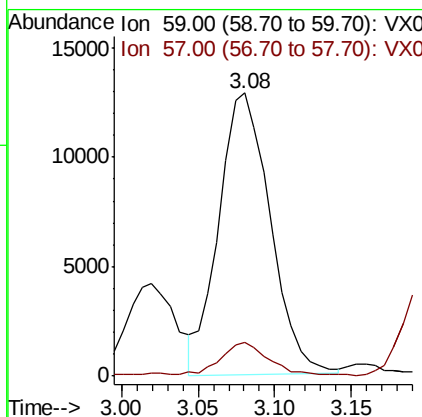
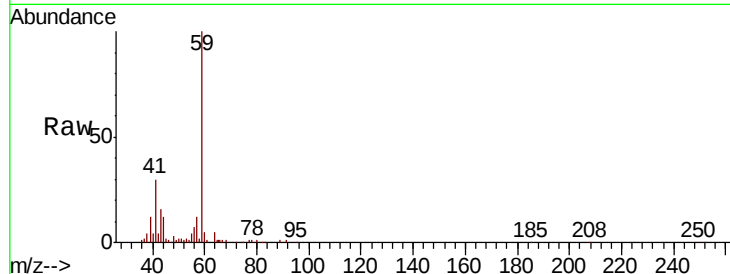
#11
Tert butyl alcohol
Concen: 25.315 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 30062
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.4

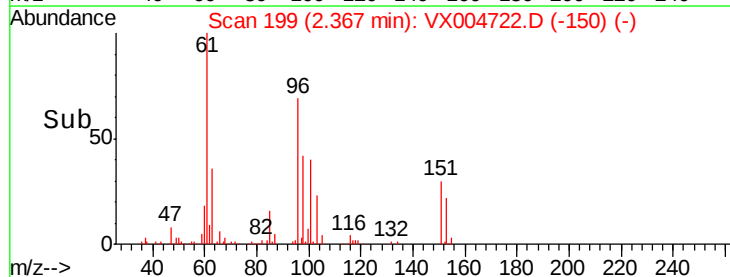
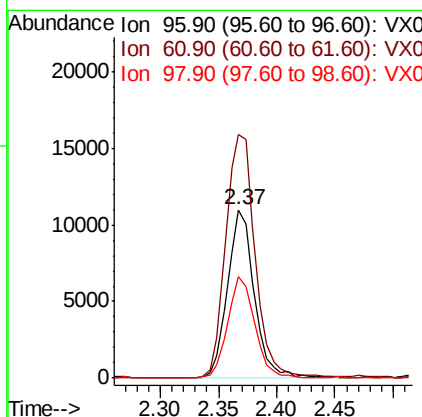
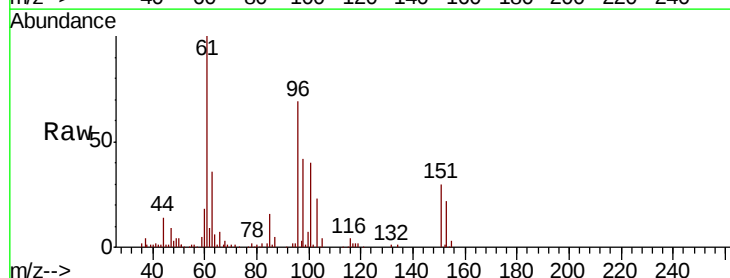
Manual Integrations
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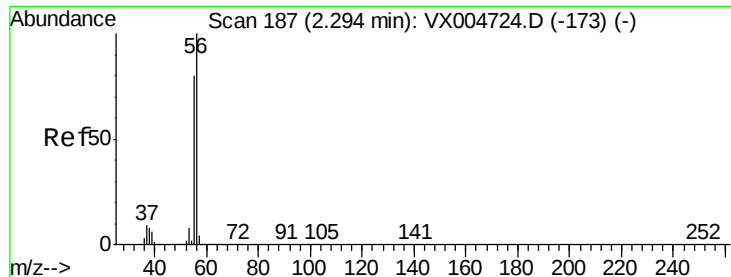
MMDadoda
10/1/2018 1:30:58 PM



#12
1,1-Dichloroethene
Concen: 5.707 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion: 96 Resp: 17572
Ion Ratio Lower Upper
96 100
61 144.7 128.8 193.2
98 59.9 52.2 78.2





#13

Acrolein

Concen: 25.322 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 20661

Ion Ratio Lower Upper

56 100

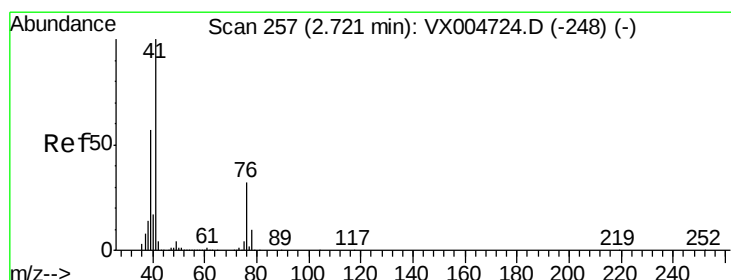
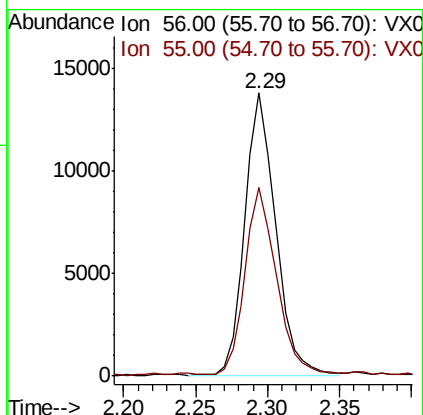
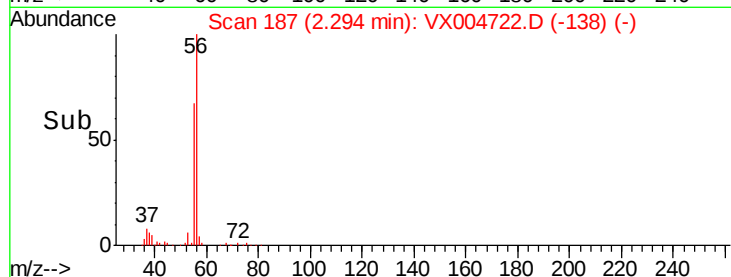
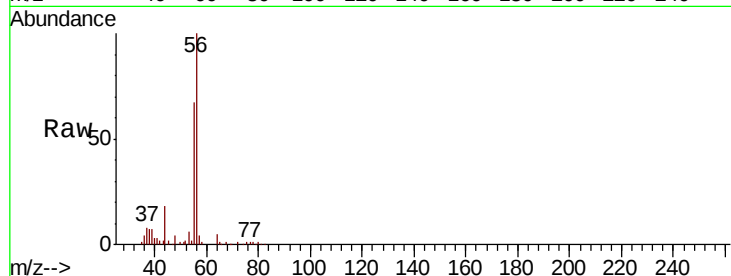
55 65.7 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 5.200 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

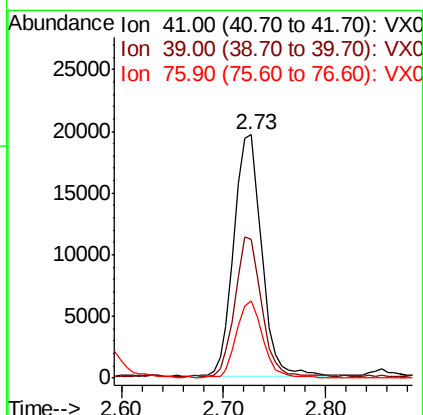
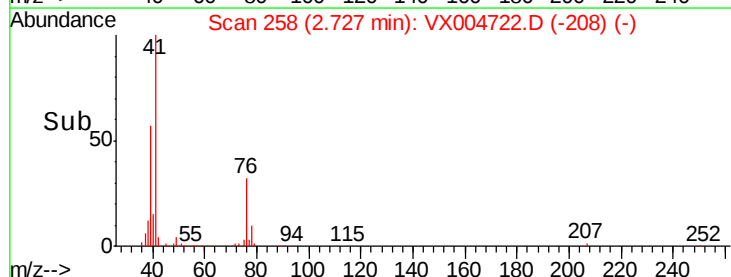
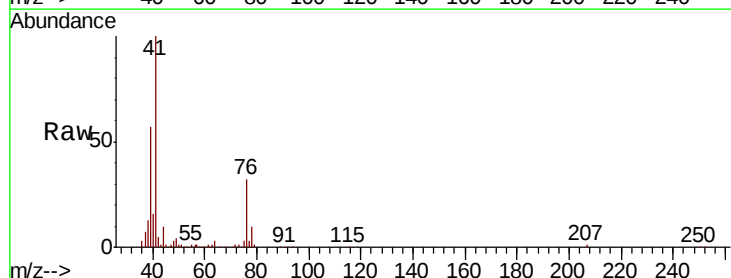
Tgt Ion: 41 Resp: 37283

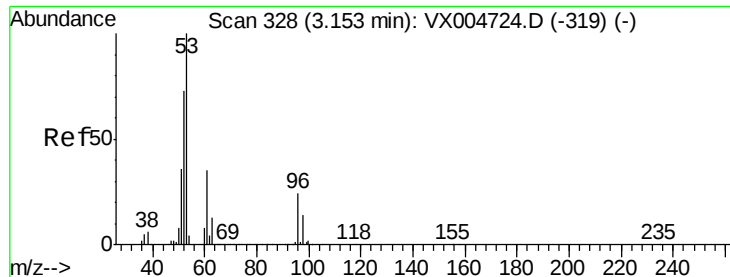
Ion Ratio Lower Upper

41 100

39 54.5 48.9 73.3

76 30.5 26.7 40.1





#15

Acrylonitrile

Concen: 25.991 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

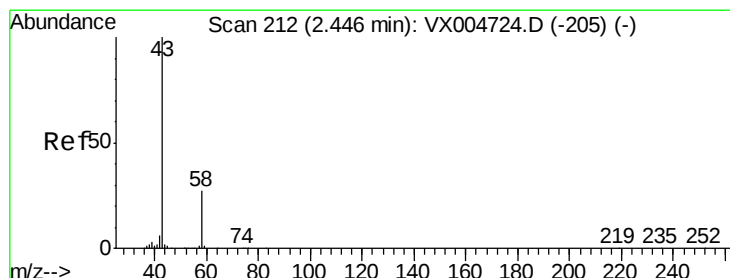
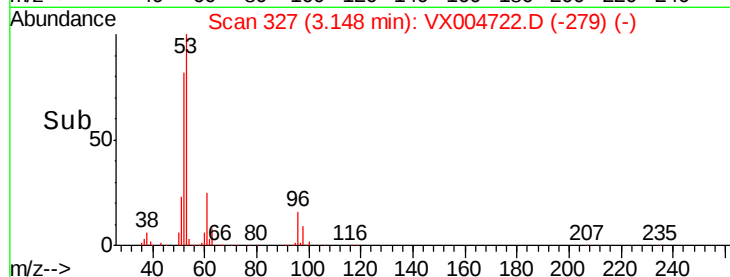
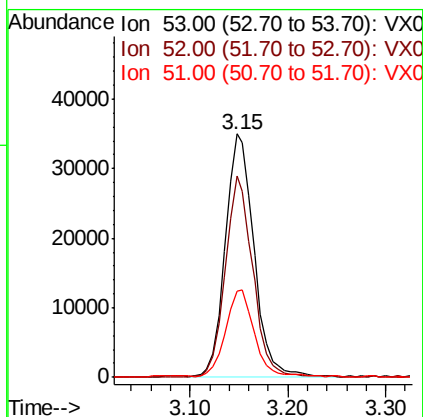
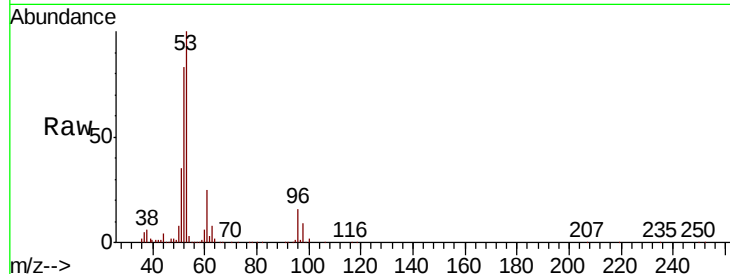
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	70286
Ion Ratio	Lower	Upper	
53	100		
52	79.9	65.2	97.8
51	35.6	28.2	42.2

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#16

Acetone

Concen: 23.750 ug/l

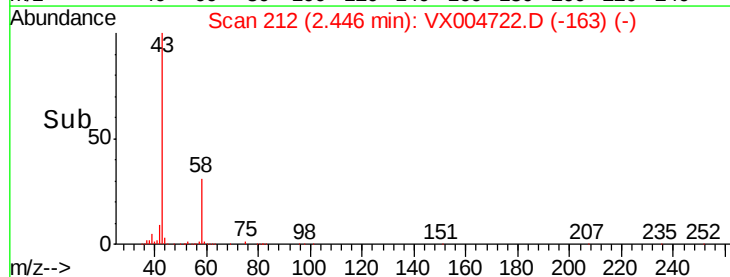
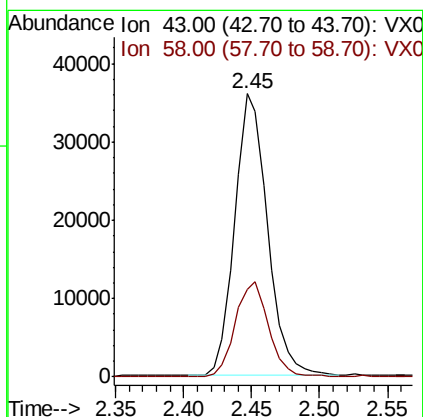
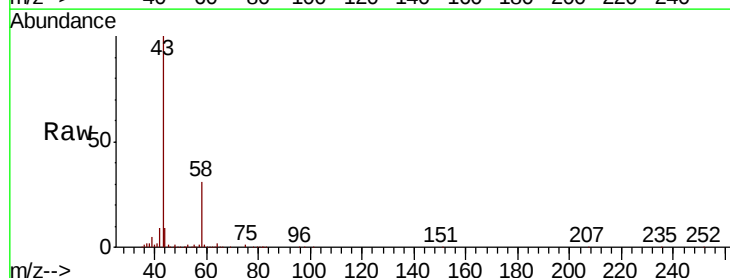
RT: 2.45 min Scan# 212

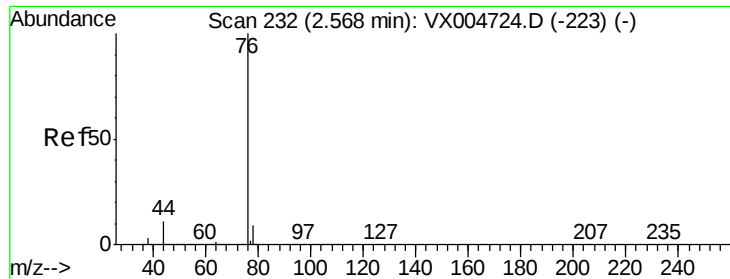
Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	43	Resp:	60582
Ion Ratio	Lower	Upper	
43	100		
58	31.1	26.2	39.4





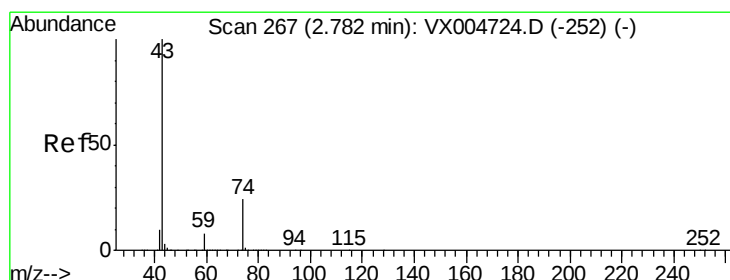
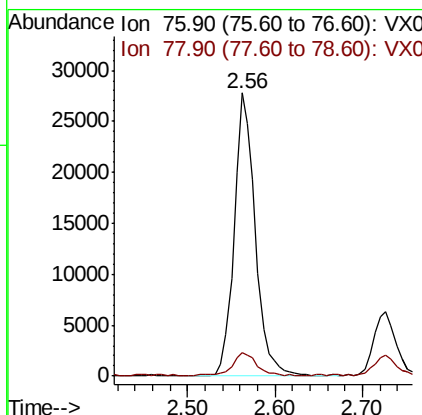
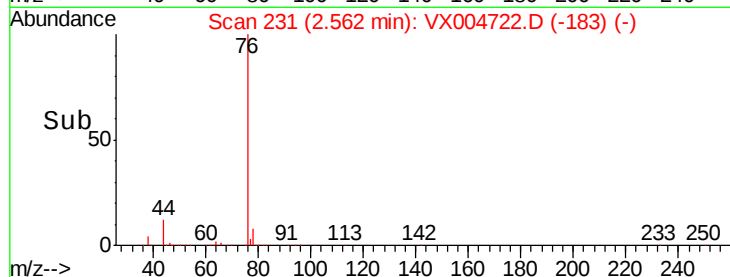
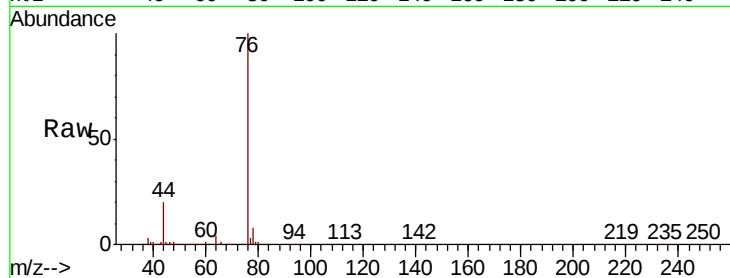
#17
Carbon Disulfide
Concen: 4.780 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.0	10.6

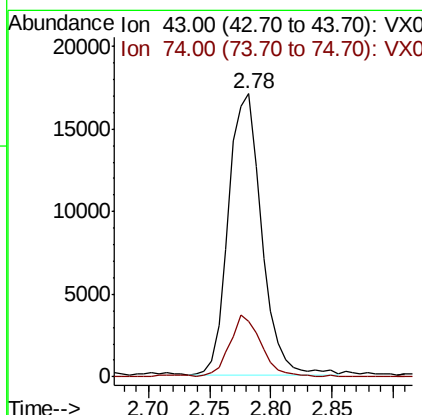
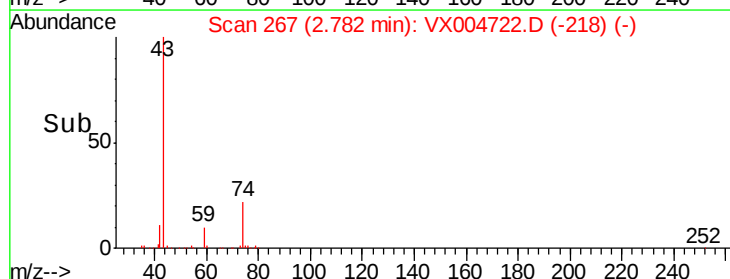
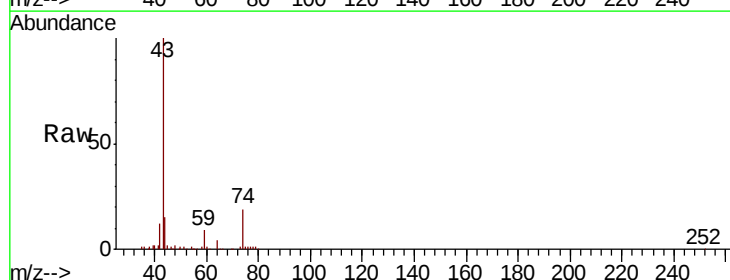
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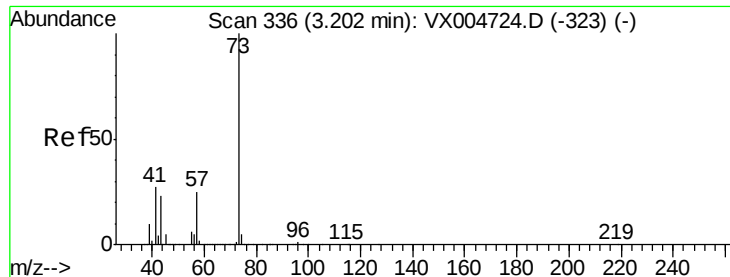
MMDadoda
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#18
Methyl Acetate
Concen: 5.141 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	19.4	29.2





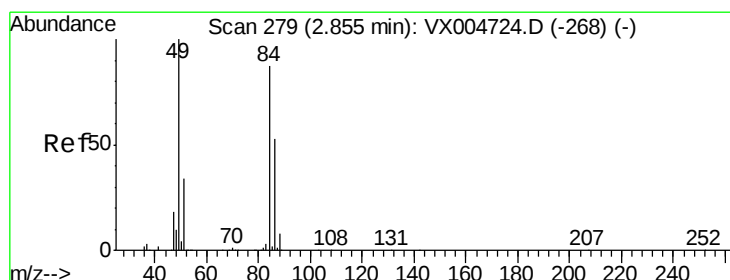
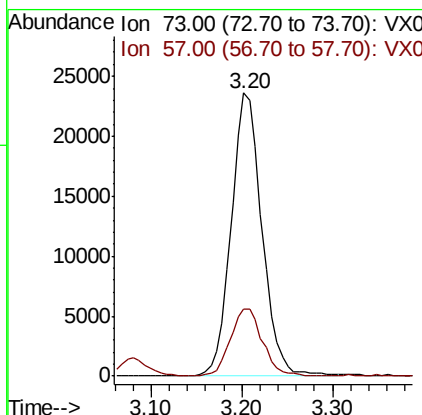
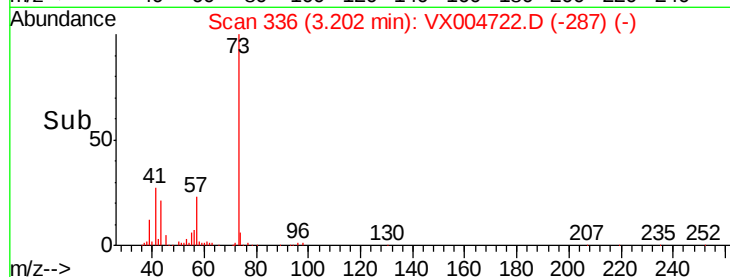
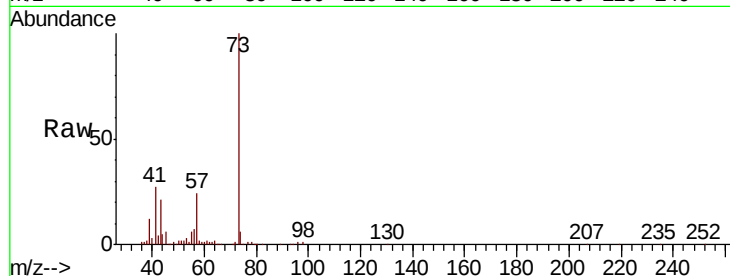
#19
Methvl tert-butvl Ether
Concen: 5.134 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.1	25.7

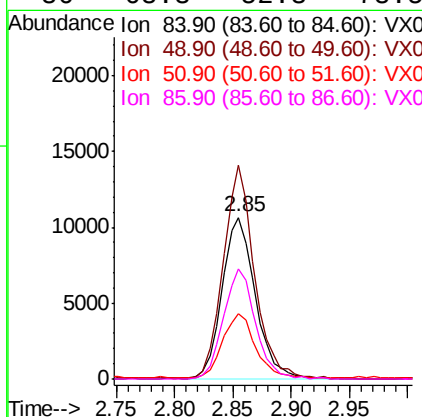
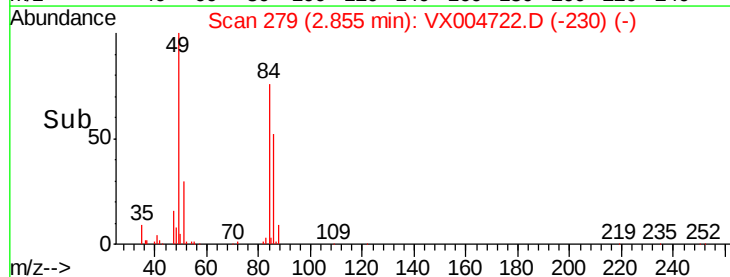
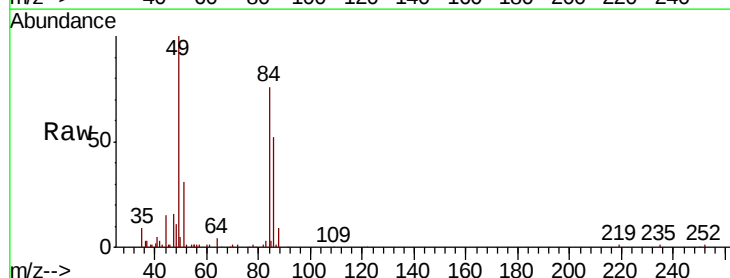
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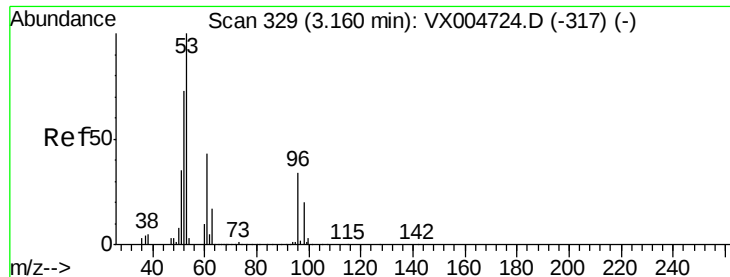
MMDadoda
10/1/2018 1:30:58 PM



#20
Methylene Chloride
Concen: 5.210 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.5	101.2	151.8
51	39.8	29.5	44.3
86	68.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 5.168 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

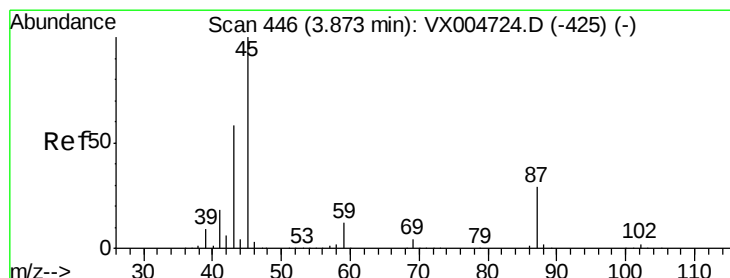
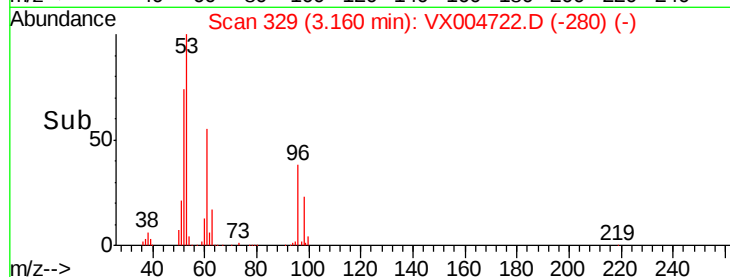
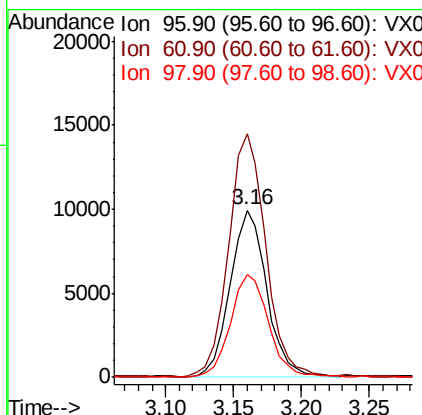
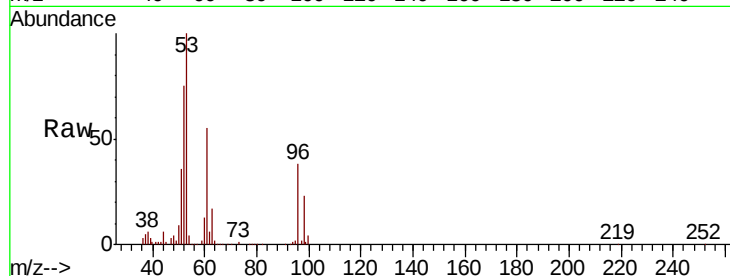
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	18718
Ion	Ratio	Lower	Upper
96	100		
61	145.1	113.8	170.6
98	61.3	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.875 ug/l

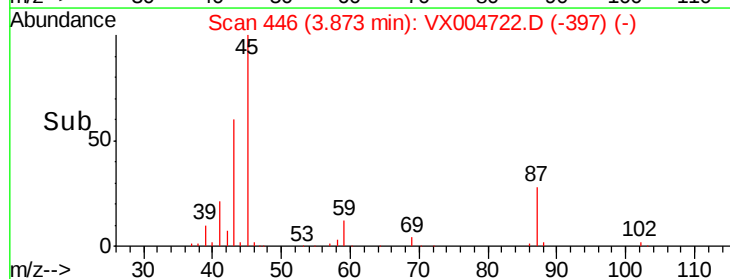
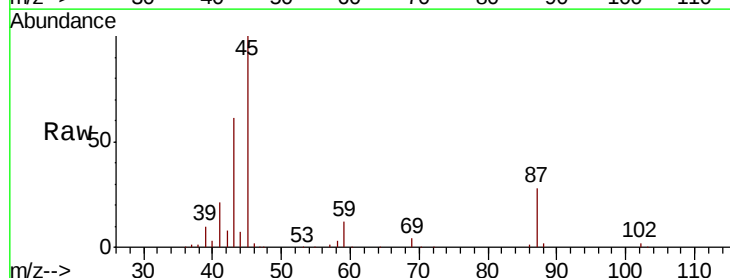
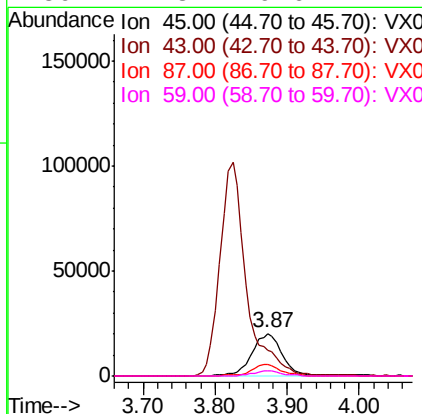
RT: 3.87 min Scan# 446

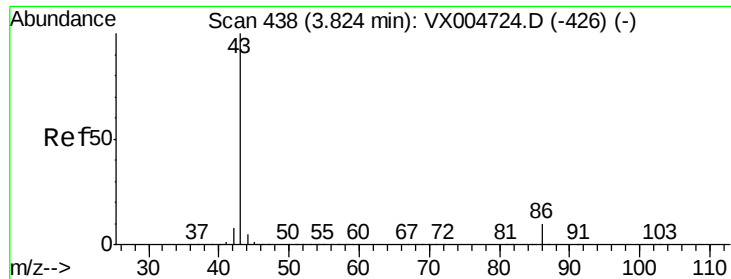
Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	45	Resp:	58924
Ion	Ratio	Lower	Upper
45	100		
43	60.3	42.8	64.2
87	27.9	22.6	34.0
59	12.3	9.6	14.4





#23

Vinyl Acetate

Concen: 22.805 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 261545

Ion Ratio Lower Upper

43 100

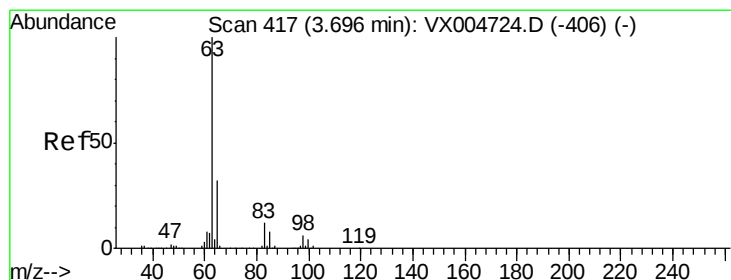
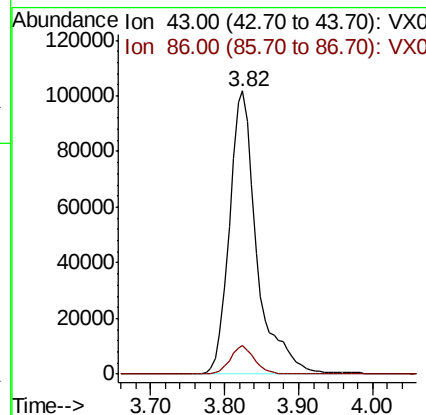
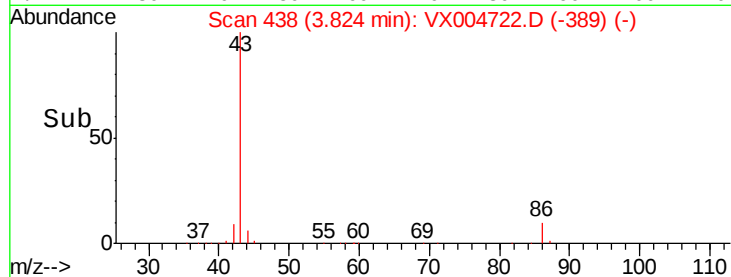
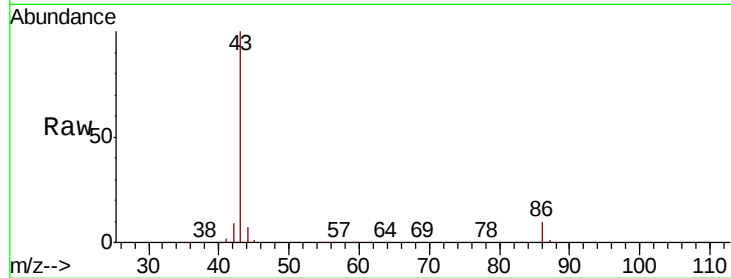
86 10.1 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 5.082 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

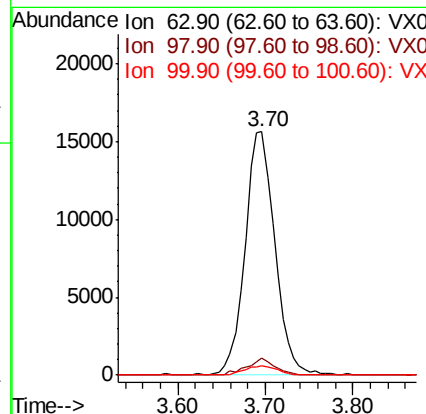
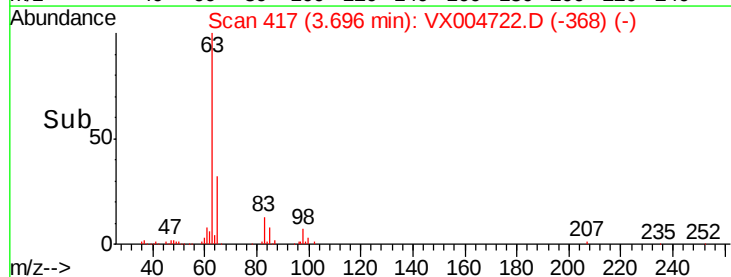
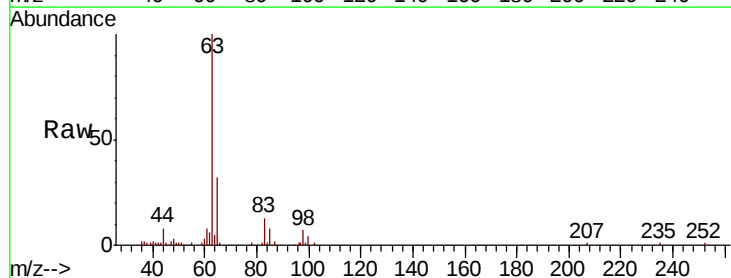
Tgt Ion: 63 Resp: 37014

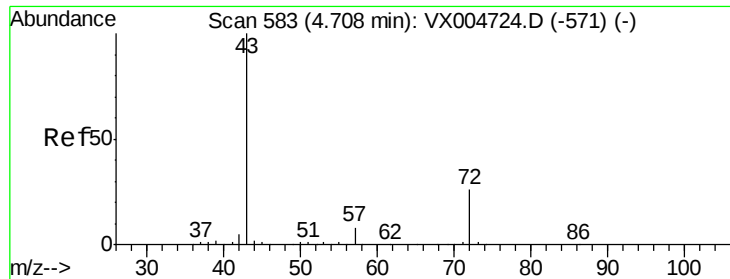
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 3.9 2.4 7.1





#25

2-Butanone

Concen: 24.791 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 91935

Ion Ratio Lower Upper

43 100

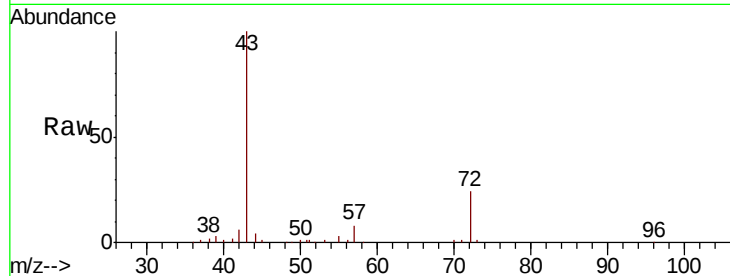
72 23.7 22.0 33.0

Manual Integrations

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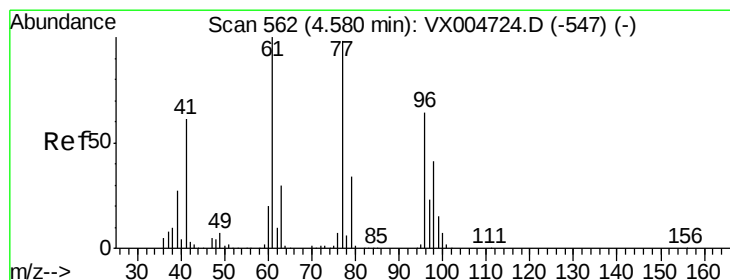
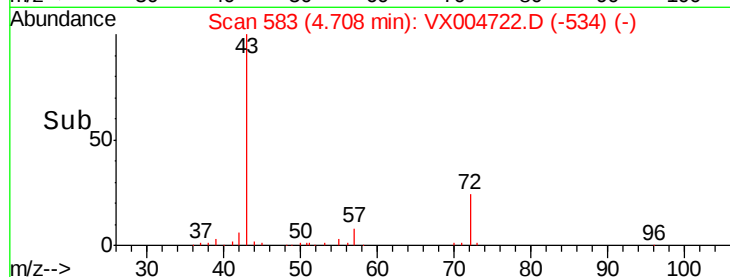
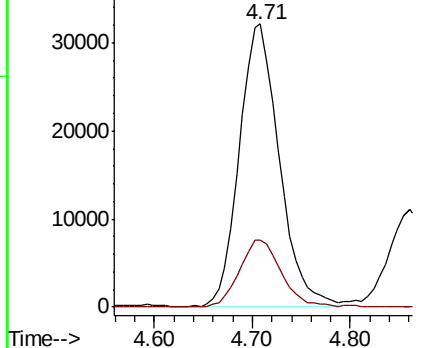
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 4.961 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004722.D

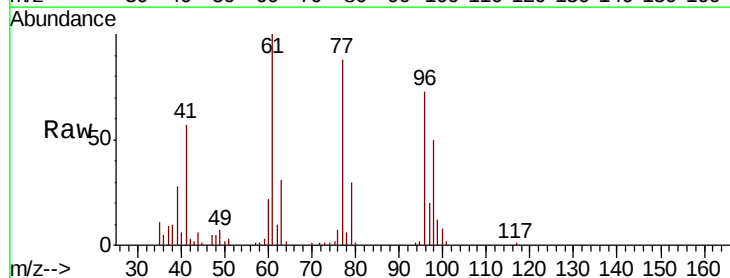
Acq: 26 Sep 2018 11:59

Tgt Ion: 77 Resp: 24008

Ion Ratio Lower Upper

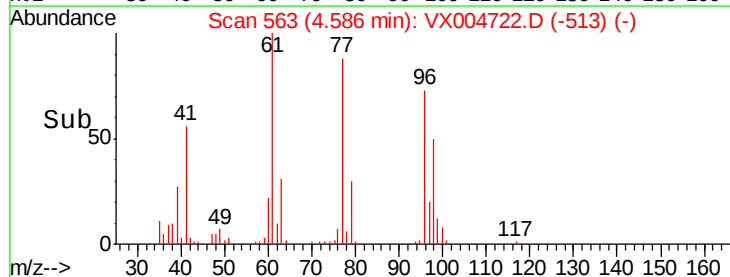
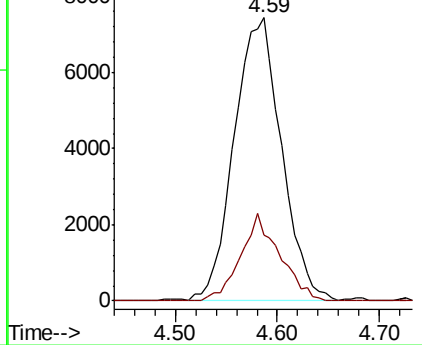
77 100

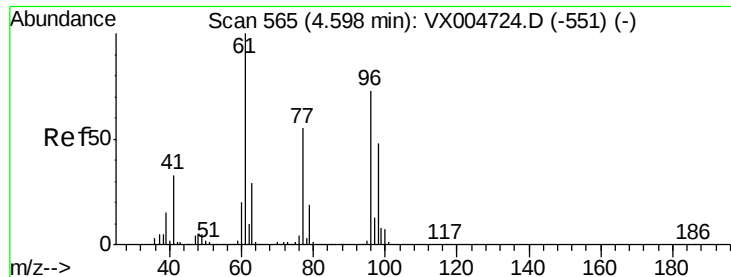
97 25.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

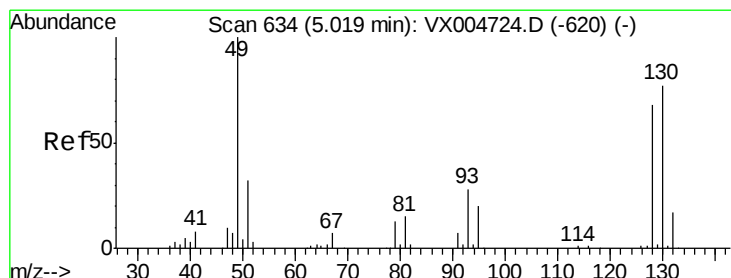
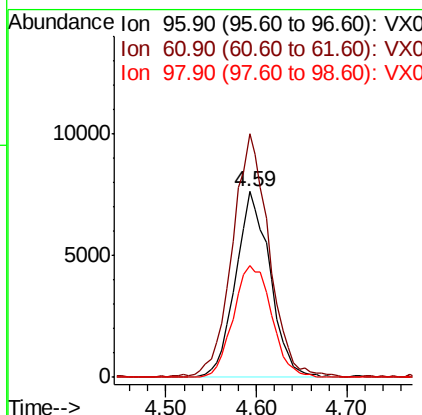
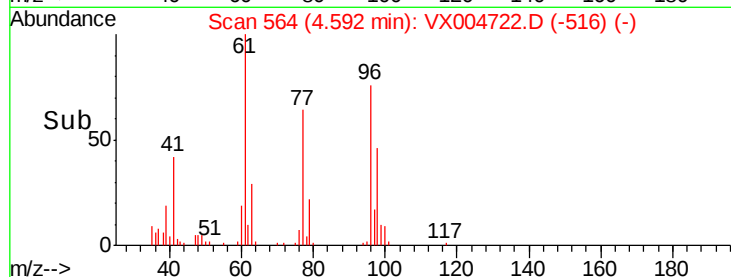
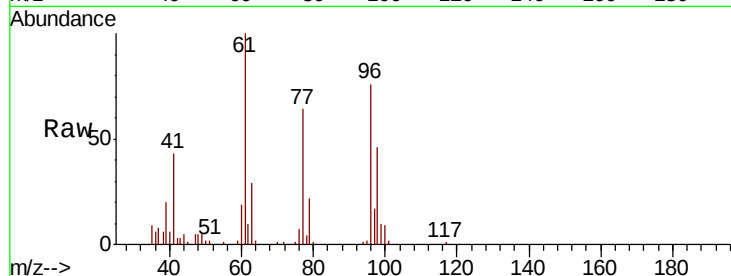
cis-1,2-Dichloroethene
Concen: 4.987 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	282.6
98	66.5	0.0	130.2

Manual Integrations
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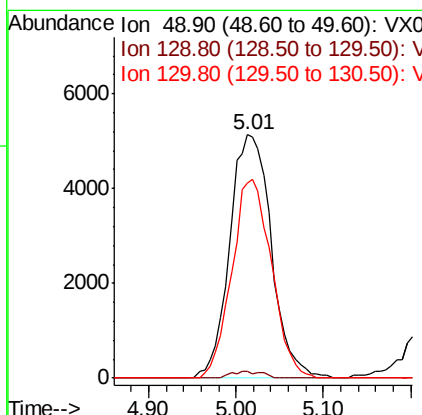
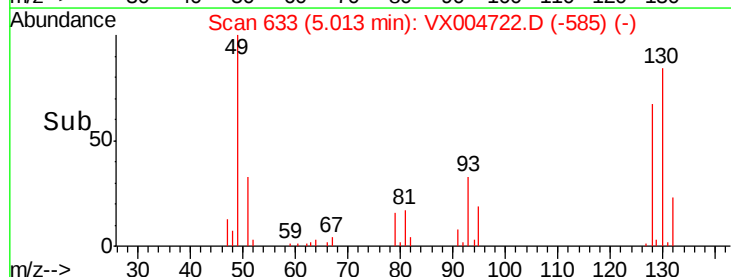
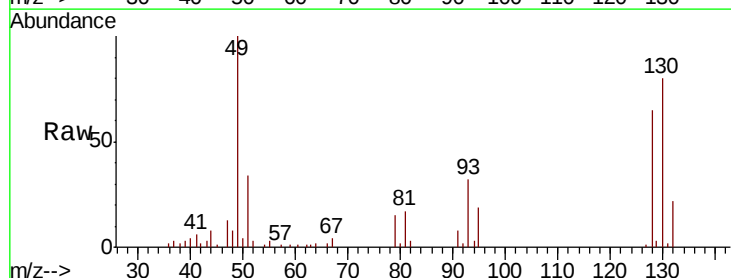
MMDadoda
10/1/2018 1:30:58 PM

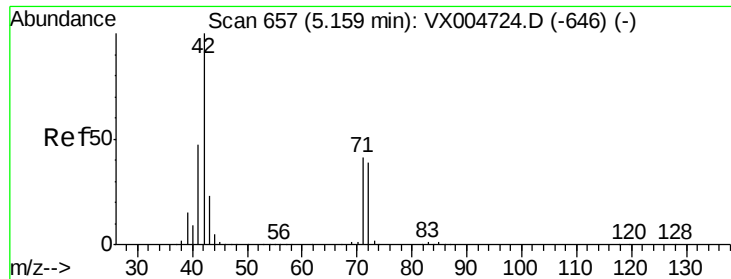


#28

Bromochloromethane
Concen: 5.299 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.2
130	78.0	67.5	101.3





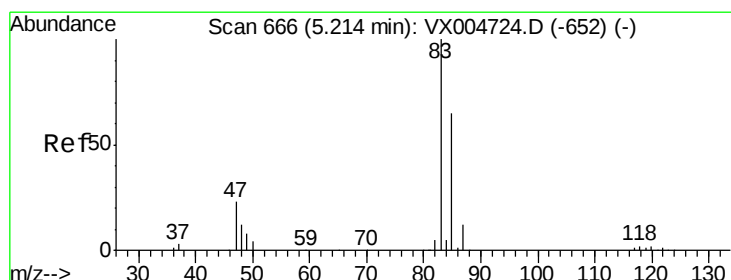
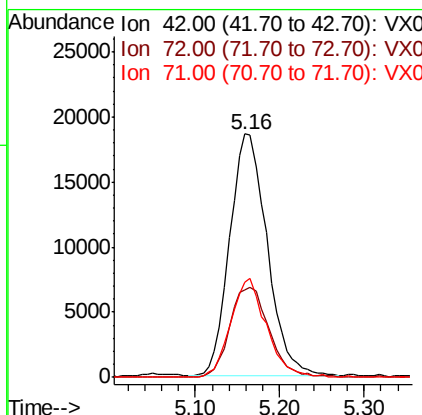
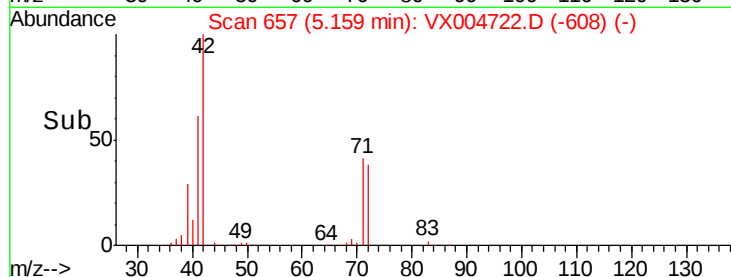
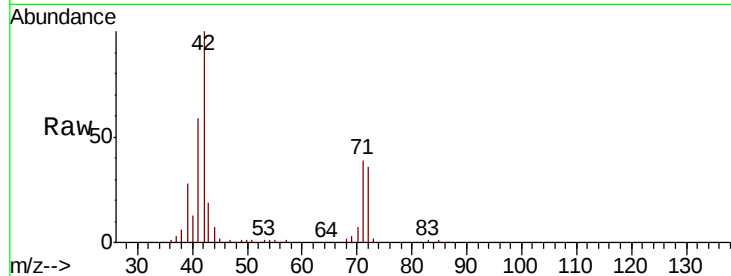
#29
Tetrahydrofuran
Concen: 23.536 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	56376
Ion Ratio	Lower	Upper	
42	100		
72	39.1	37.4	56.0
71	38.8	34.5	51.7

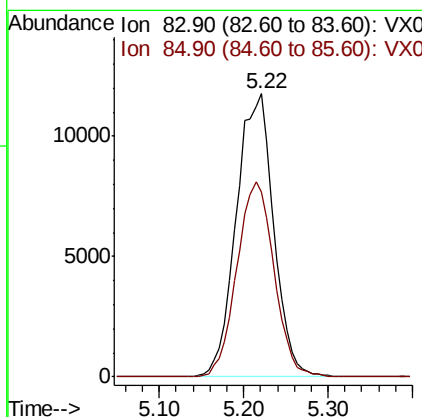
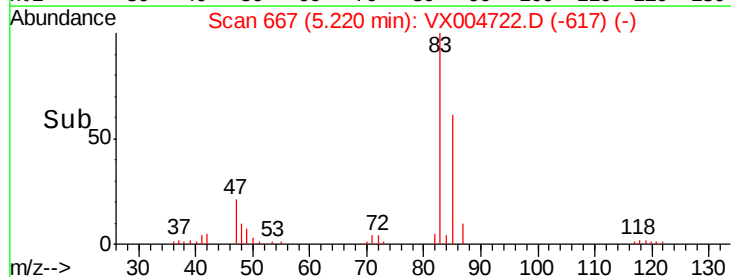
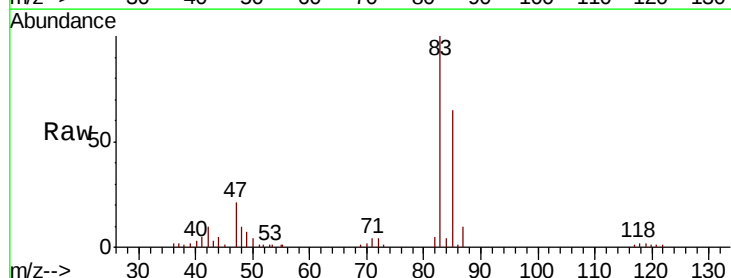
Manual Integrations
APPROVED

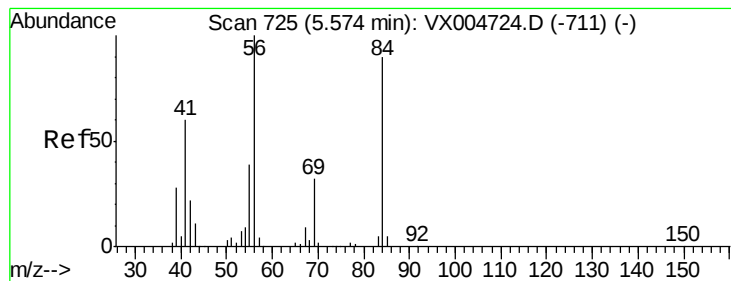
MMDadoda
10/1/2018 1:30:58 PM



#30
Chloroform
Concen: 5.575 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion:	83	Resp:	35312
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.6	79.0





#31

Cyclohexane

Concen: 4.277 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

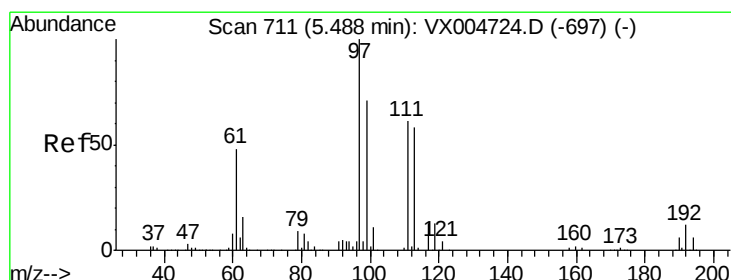
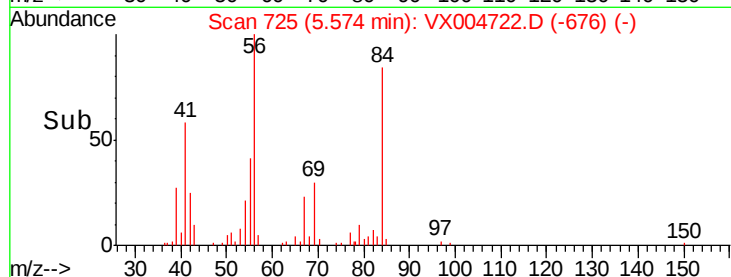
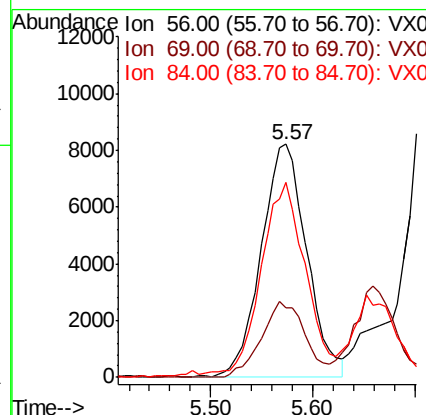
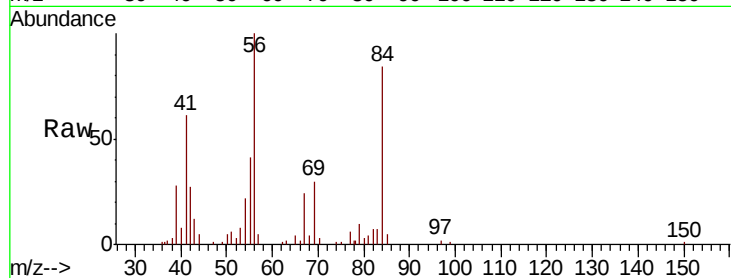
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	25522
Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.4	38.2
84	80.9	71.4	107.2

Manual Integrations
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10/1/2018 1:30:58 PM



#32

1,1,1-Trichloroethane

Concen: 5.092 ug/l

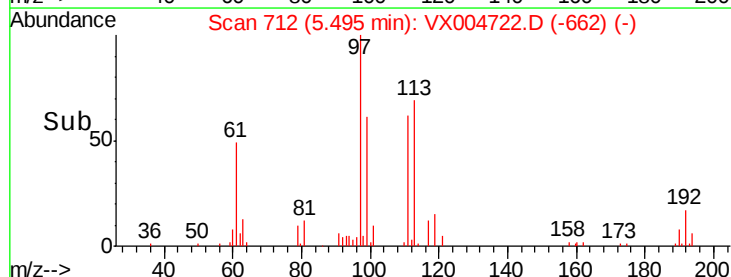
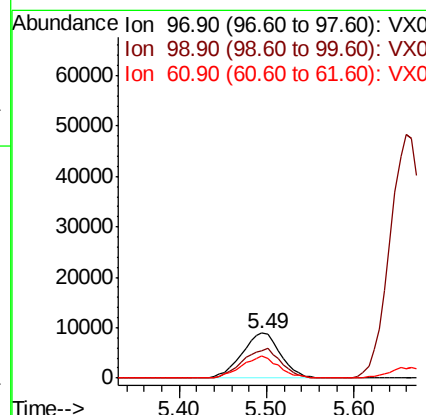
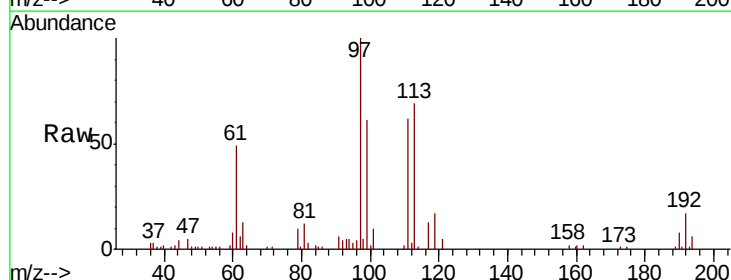
RT: 5.49 min Scan# 712

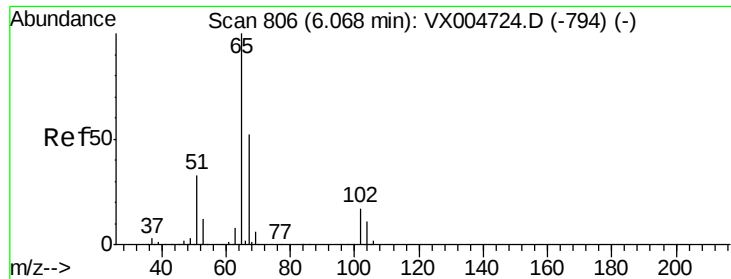
Delta R.T. 0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	97	Resp:	27565
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	46.9	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 5.147 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 23074

Ion Ratio Lower Upper

65 100

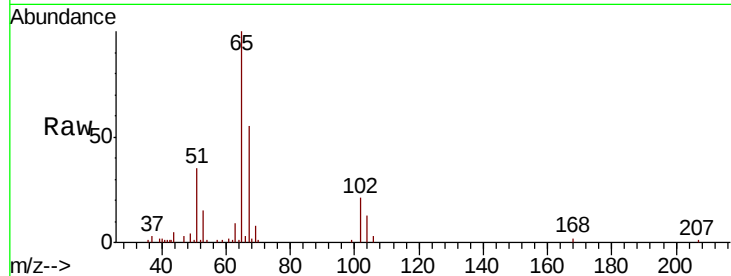
67 56.3 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

8000

6000

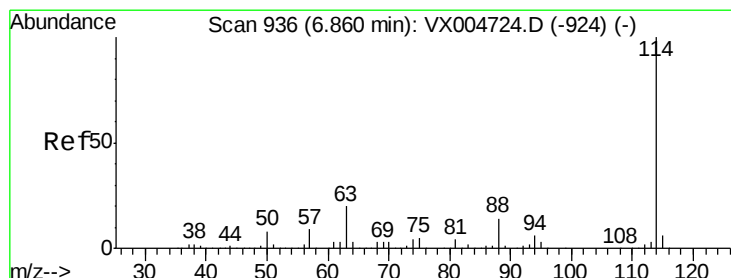
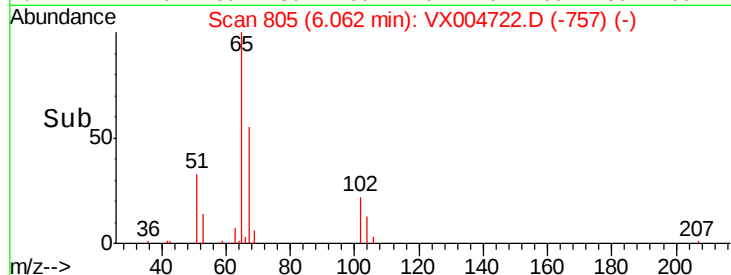
4000

2000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

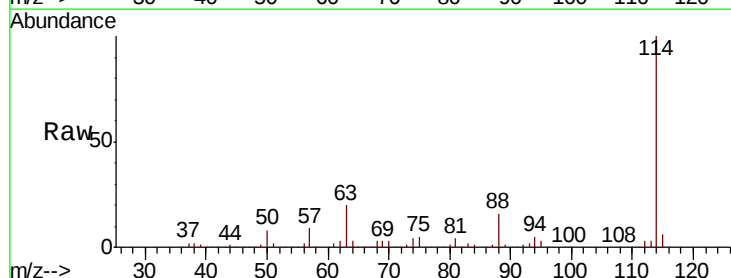
Tgt Ion: 114 Resp: 438294

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 15.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

200000

150000

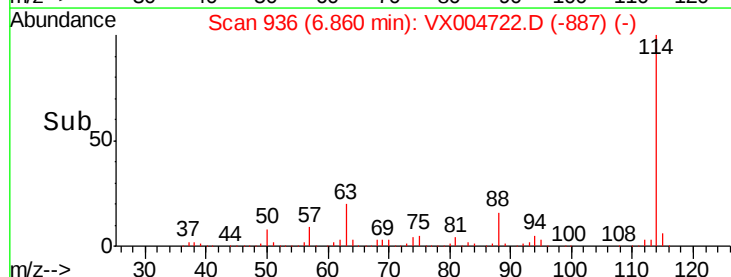
100000

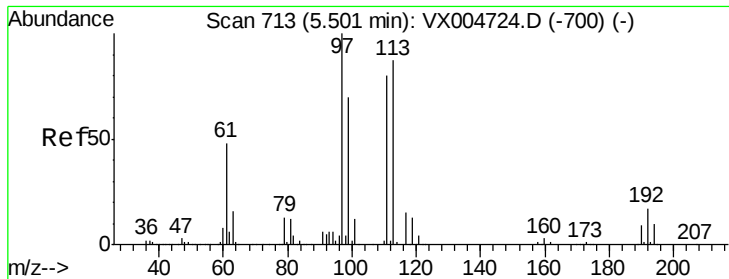
50000

0

6.80 7.00 7.20

Time-->





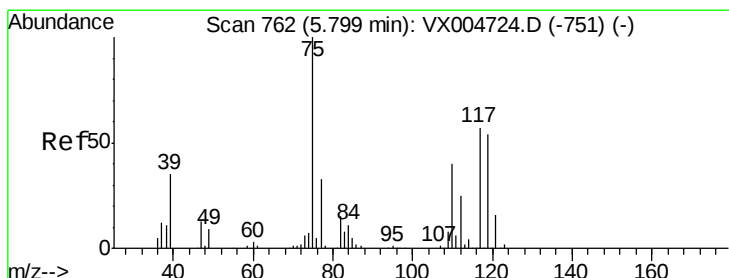
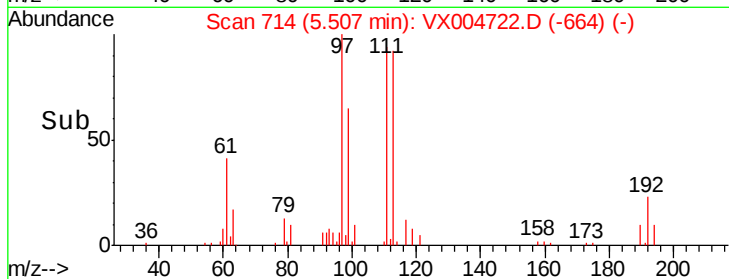
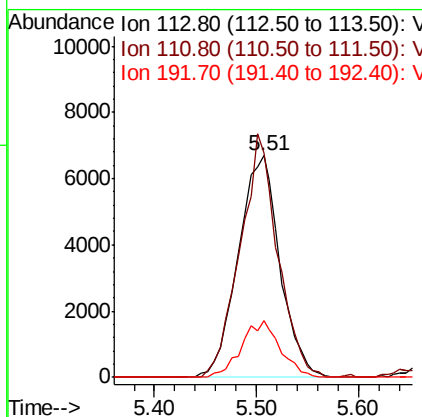
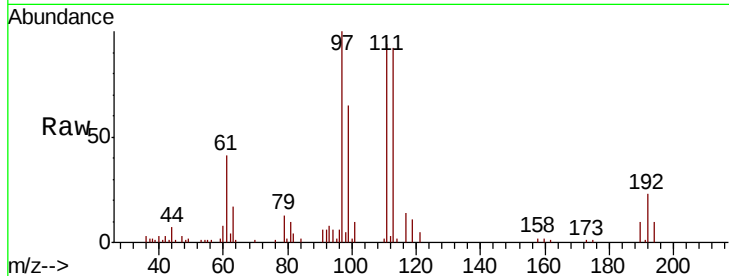
#35
Dibromofluoromethane
Concen: 4.882 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	19001		
111	99.1	82.4	123.6	
192	23.5	19.4	29.2	

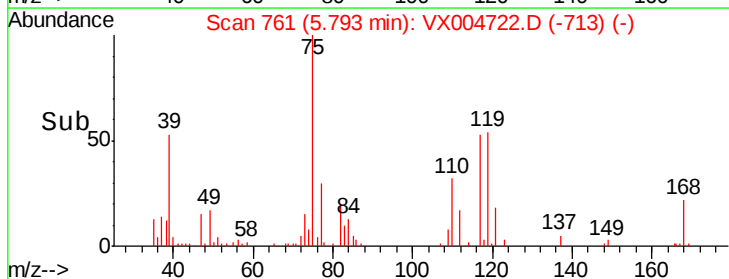
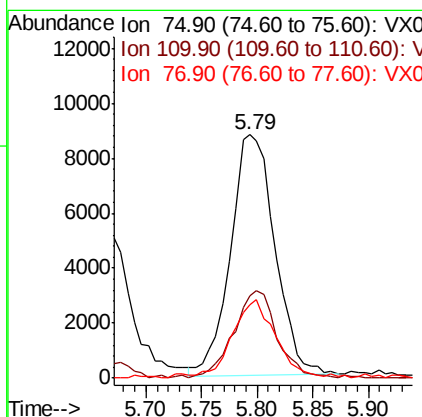
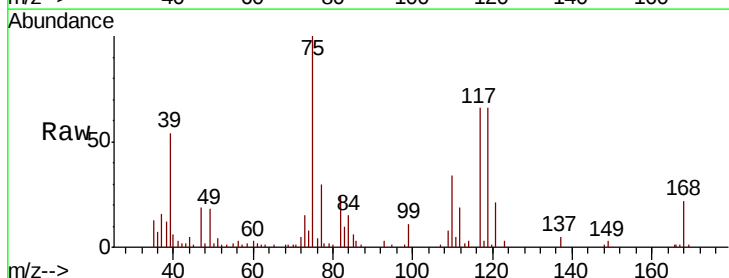
Manual Integrations
APPROVED

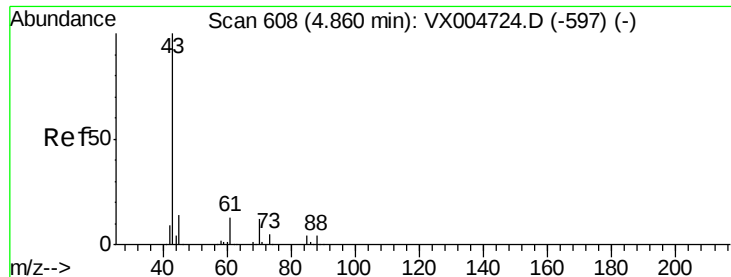
MMDadoda
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#36
1,1-Dichloropropene
Concen: 4.915 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24272		
110	35.5	18.0	54.0	
77	31.4	24.6	36.8	





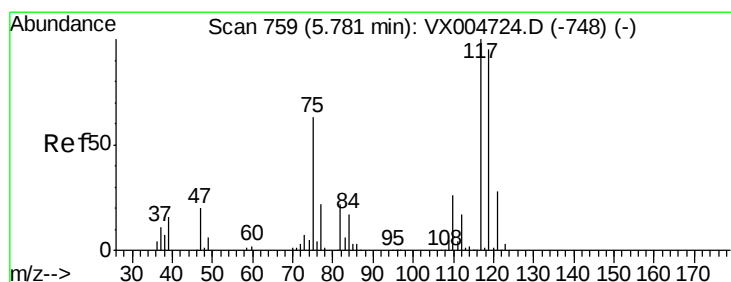
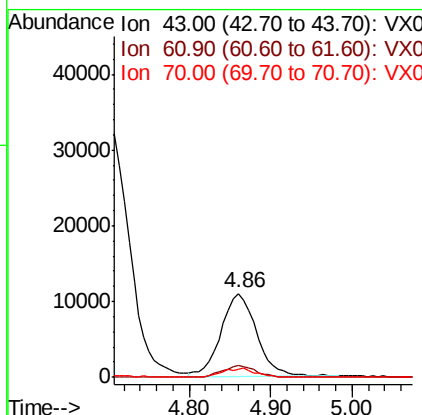
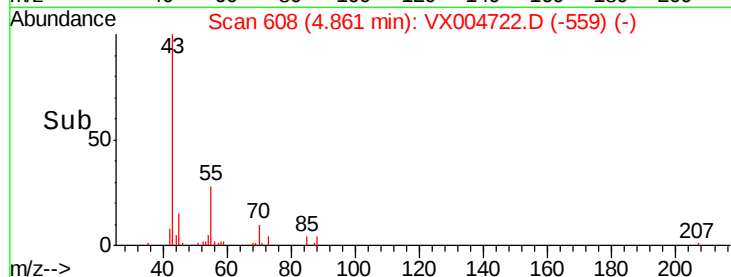
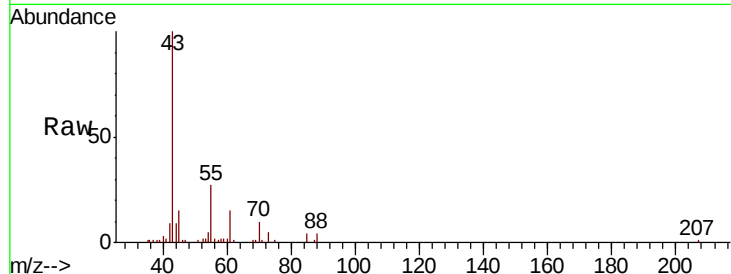
#37
Ethyl Acetate
Concen: 4.875 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	32903
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	11.0	9.0	13.6

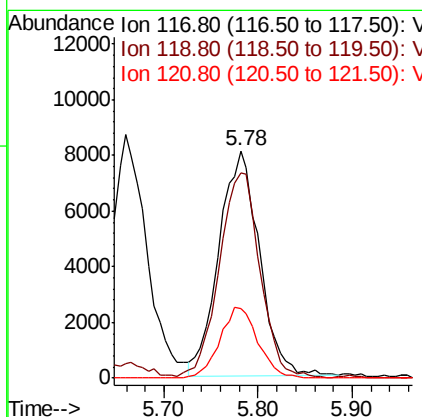
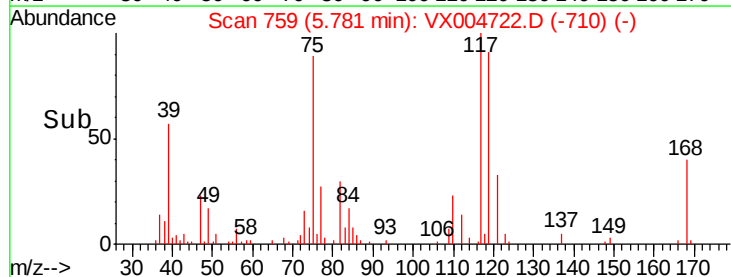
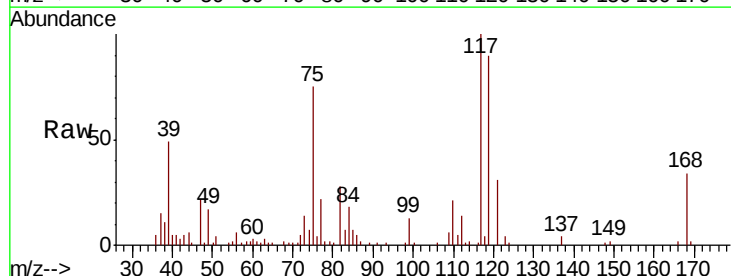
Manual Integrations
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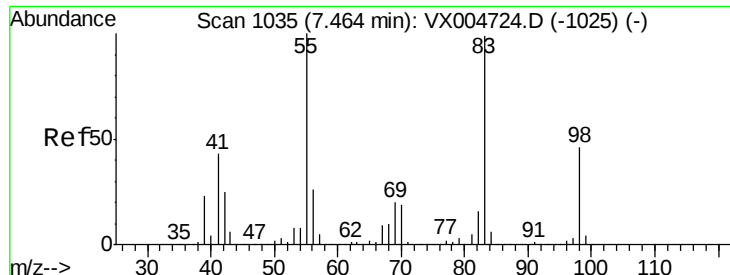
MMDadoda
10/1/2018 1:30:58 PM



#38
Carbon Tetrachloride
Concen: 4.621 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion:	117	Resp:	24065
Ion	Ratio	Lower	Upper
117	100		
119	90.5	78.8	118.2
121	31.1	24.9	37.3





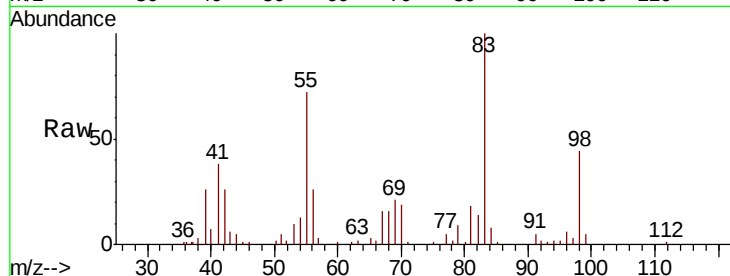
#39
Methvlcvclohexane
Concen: 4.780 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

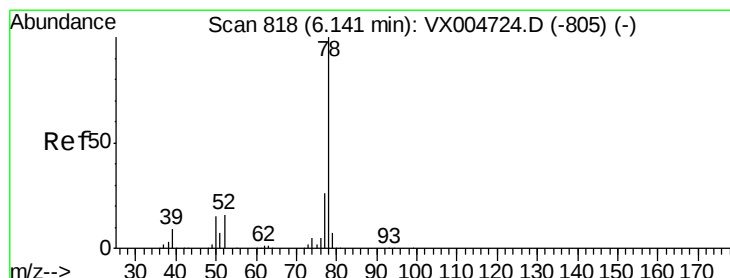
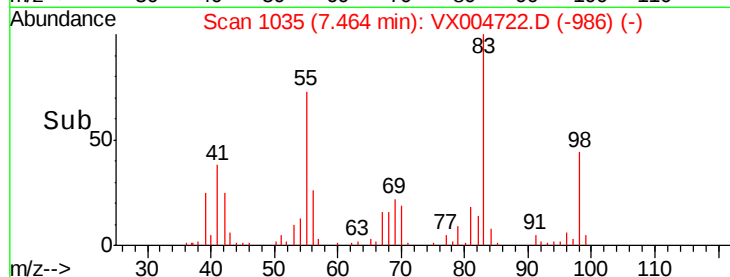
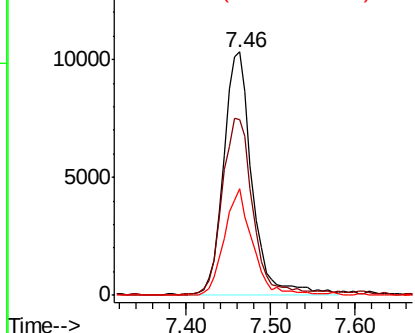
Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	61.0	91.4
98	43.7	39.6	59.4

Manual Integrations
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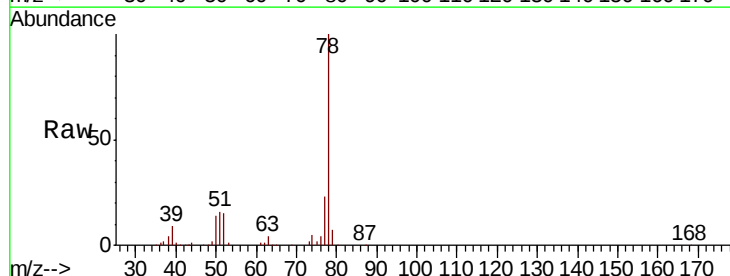


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

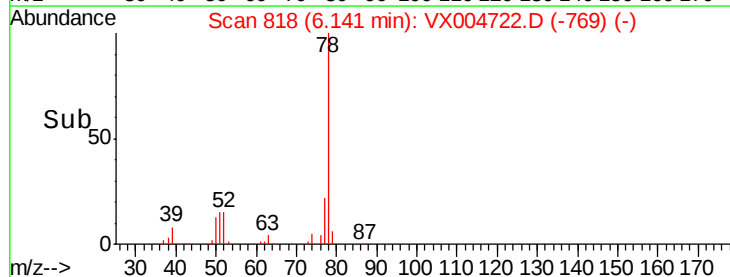
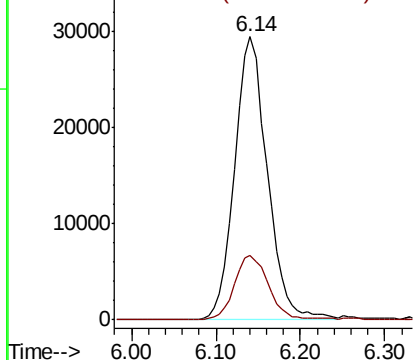


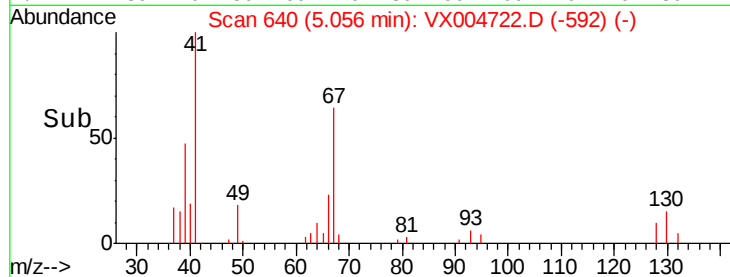
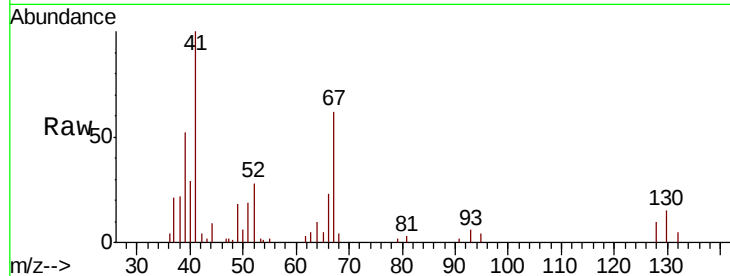
#40
Benzene
Concen: 5.104 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 4.085 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tot Ion:	41	Resp:	15878
Ion	Ratio	Lower	Upper
41	100		
39	56.7	42.4	63.6
67	68.4	59.2	88.8
52	32.8	23.0	34.4

Instrument :

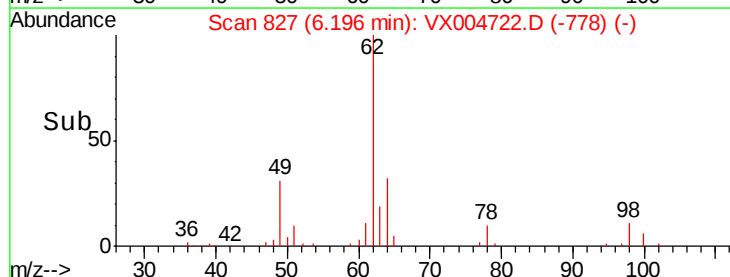
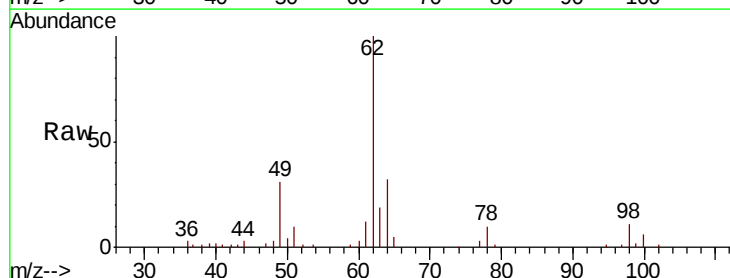
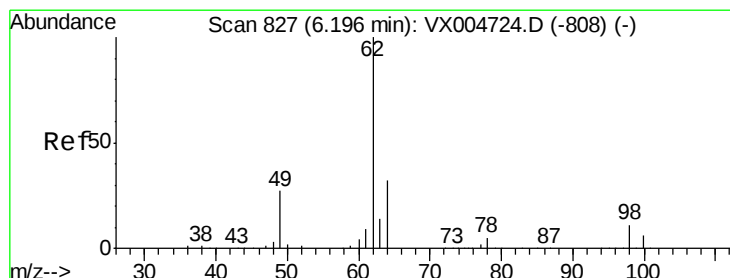
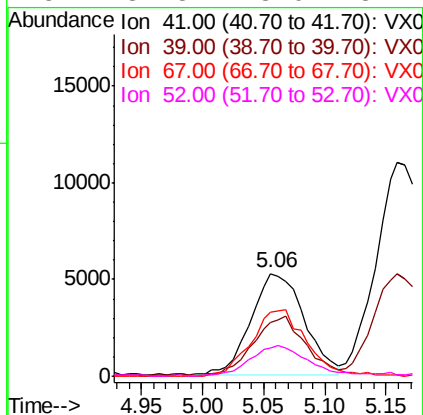
MSVOA_X

ClientSampleId :

VSTDIC005

Manual Integrations
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MMDadoda
10/1/2018 1:30:58 PM



#42

1,2-Dichloroethane

Concen: 5.129 ug/l

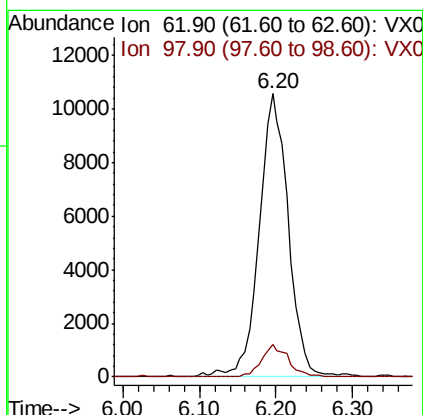
RT: 6.20 min Scan# 827

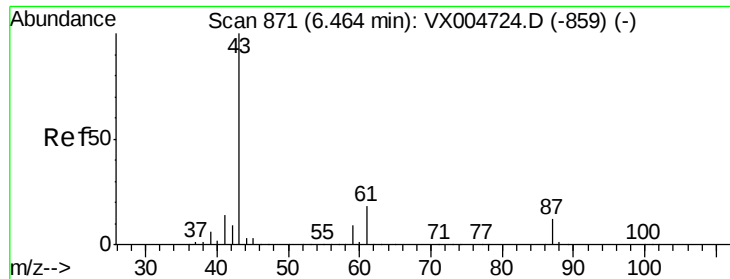
Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	62	Resp:	27993
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 4.216 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

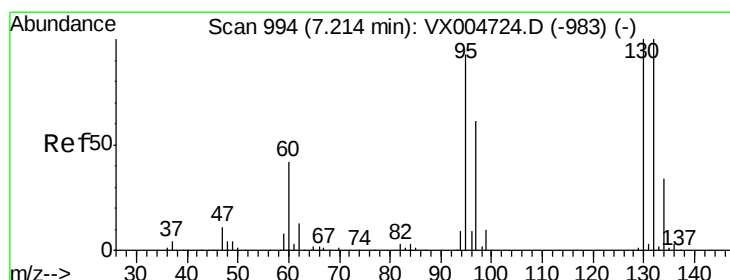
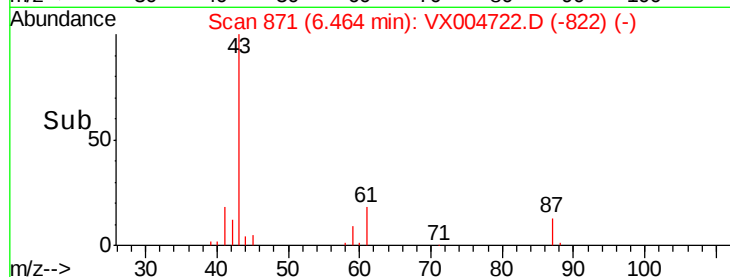
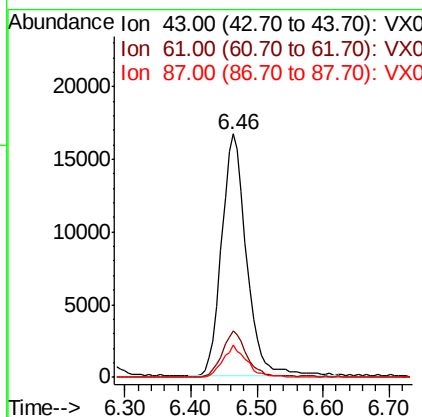
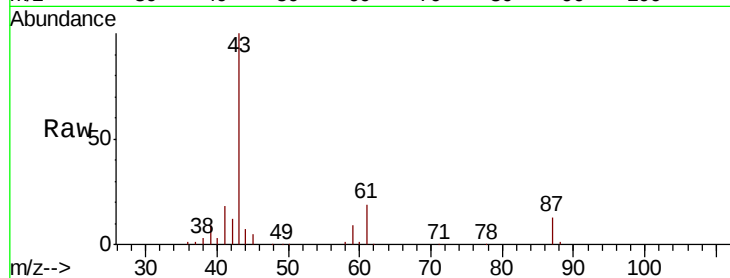
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	43818
Ion	Ratio	Lower	Upper
43	100		
61	18.9	17.0	25.4
87	12.4	11.4	17.2

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#44

Trichloroethene

Concen: 5.634 ug/l

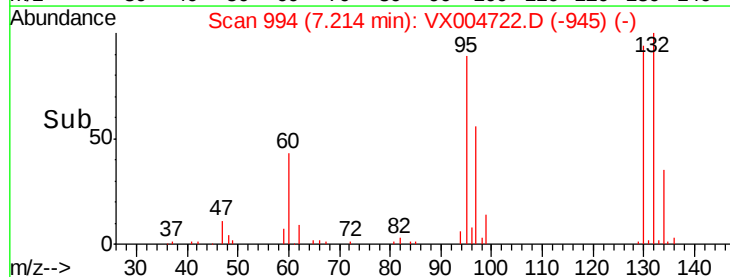
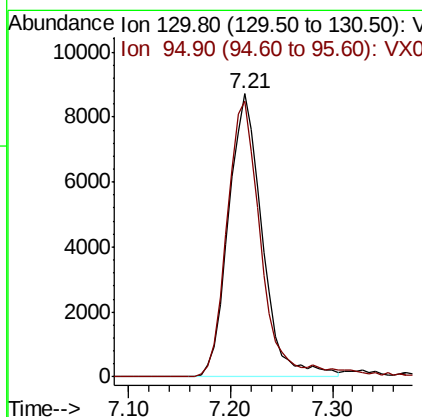
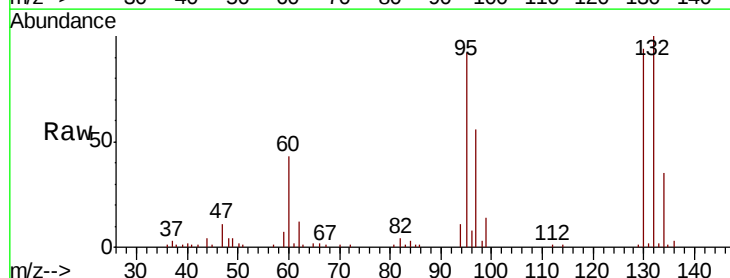
RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	130	Resp:	19962
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 5.306 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 19310

Ion Ratio Lower Upper

63 100

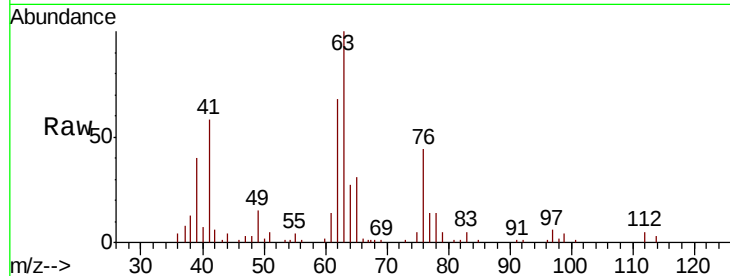
65 30.5 24.3 36.5

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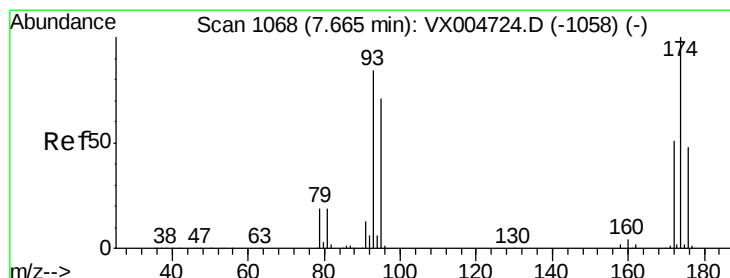
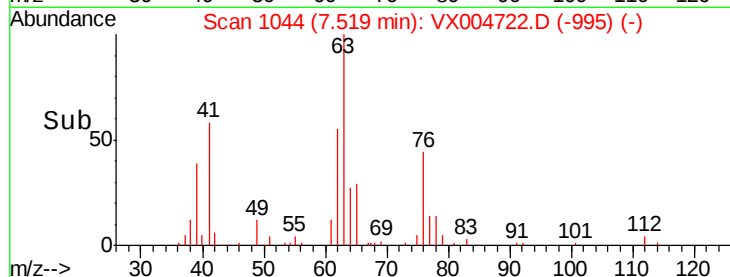
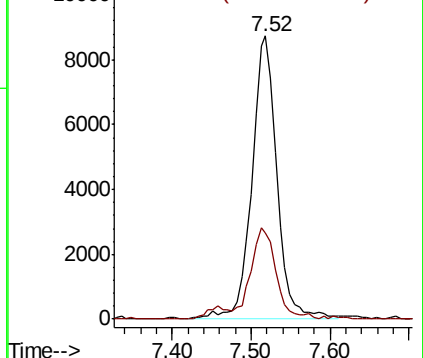
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 5.013 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

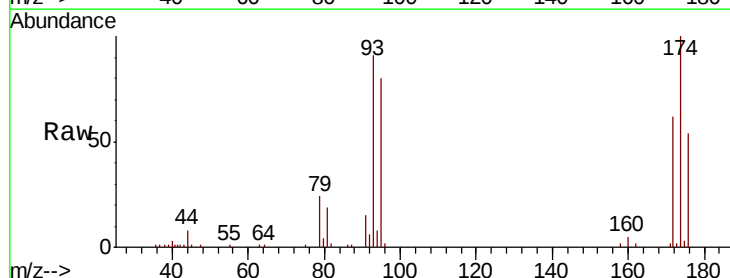
Tgt Ion: 93 Resp: 11371

Ion Ratio Lower Upper

93 100

95 87.9 65.5 98.3

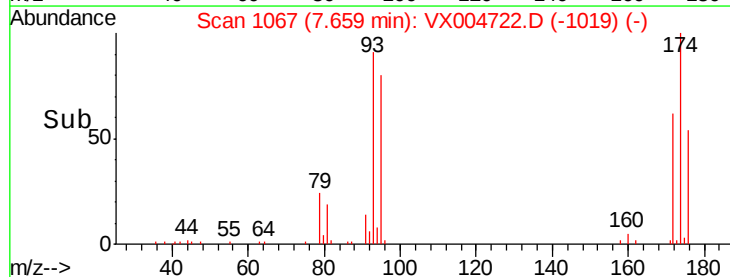
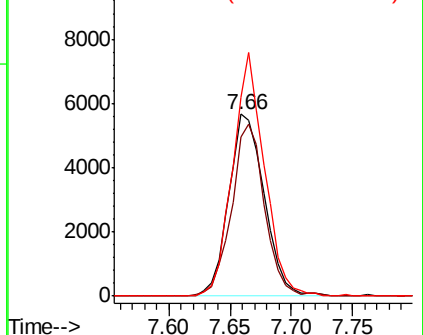
174 119.4 94.2 141.4

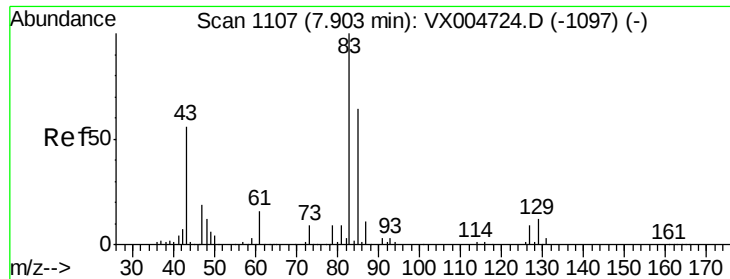


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.992 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

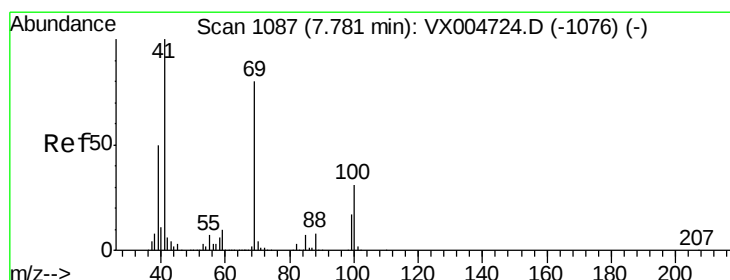
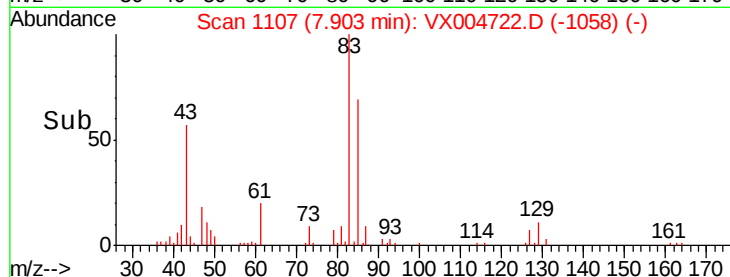
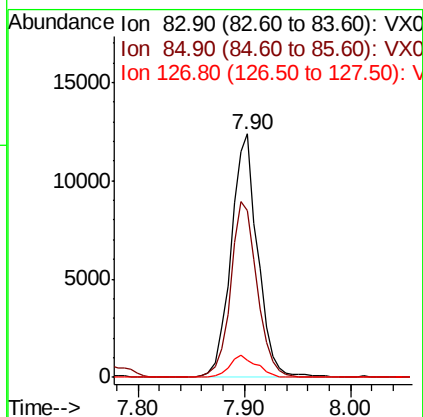
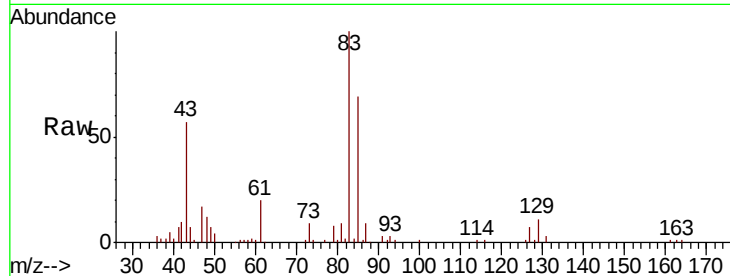
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21686
Ion Ratio	Lower	Upper	
83	100		
85	68.5	50.9	76.3
127	6.9	7.3	10.9#

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#48

Methyl methacrylate

Concen: 4.217 ug/l

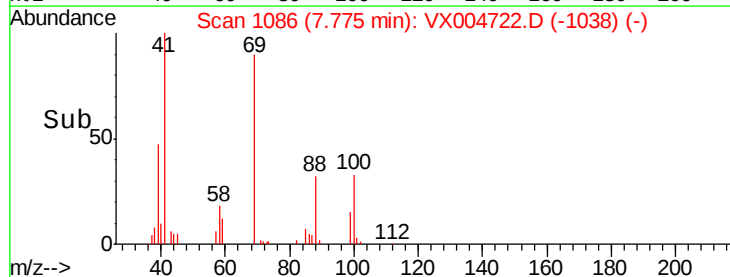
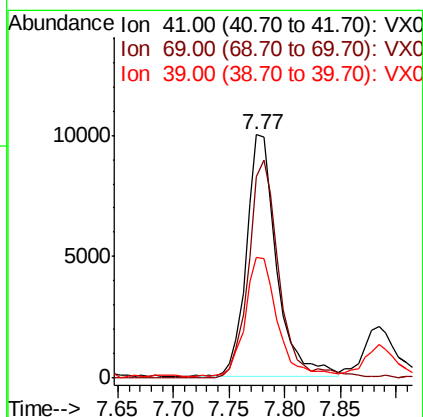
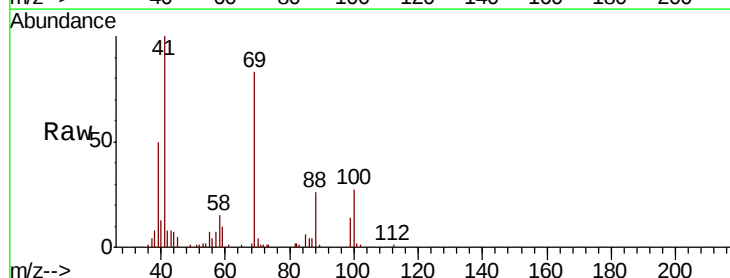
RT: 7.77 min Scan# 1086

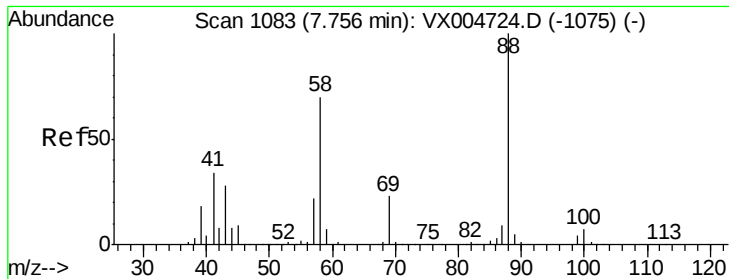
Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	41	Resp:	18910
Ion Ratio	Lower	Upper	
41	100		
69	91.0	70.2	105.4
39	51.8	42.7	64.1





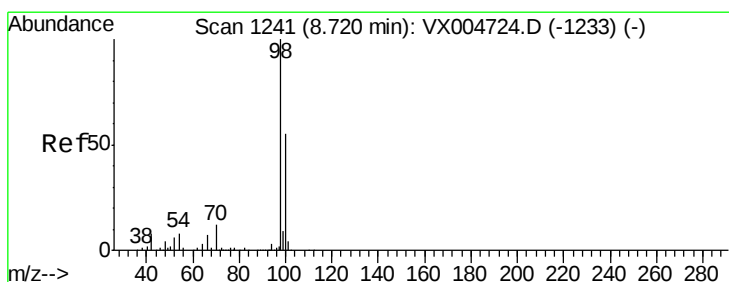
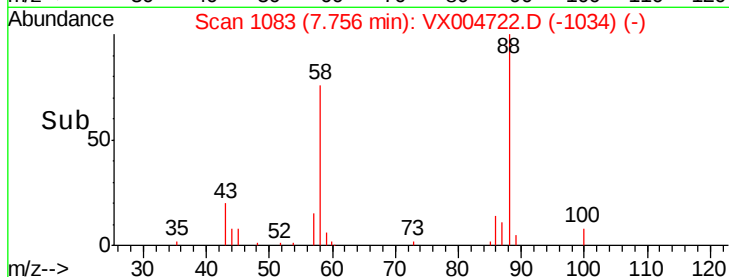
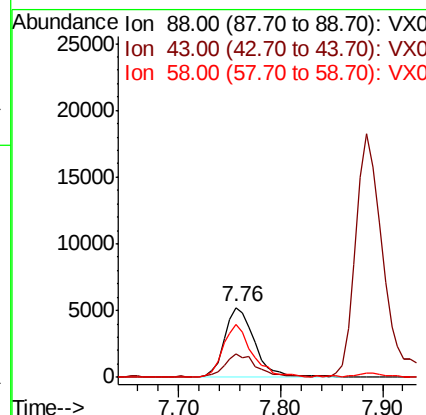
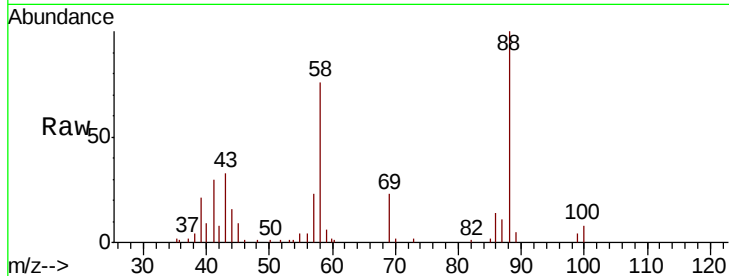
#49
1,4-Dioxane
Concen: 95.267 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	24.7	37.1
58	74.1	55.3	82.9

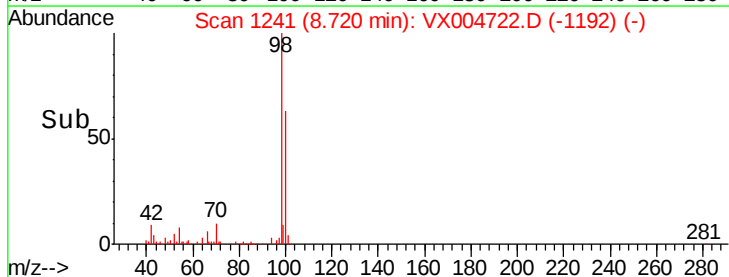
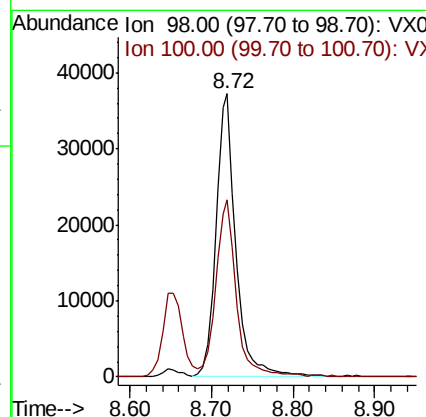
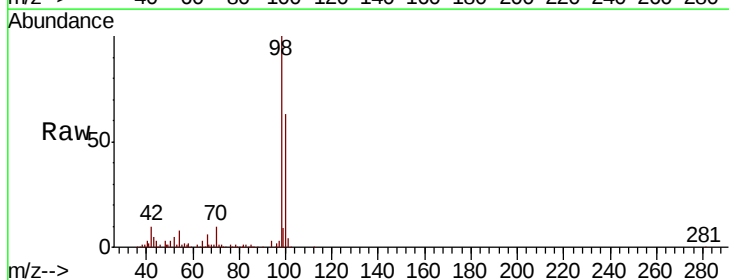
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#50
Toluene-d8
Concen: 5.483 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.9	79.3





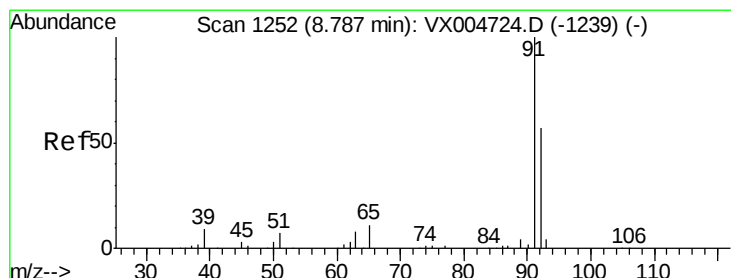
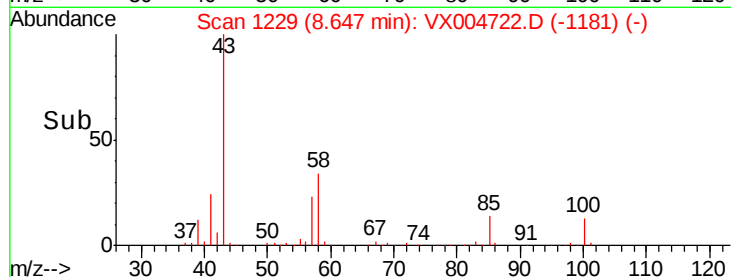
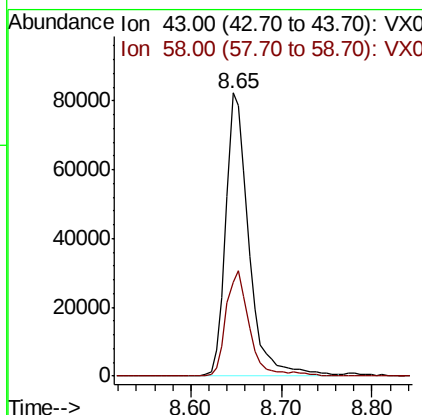
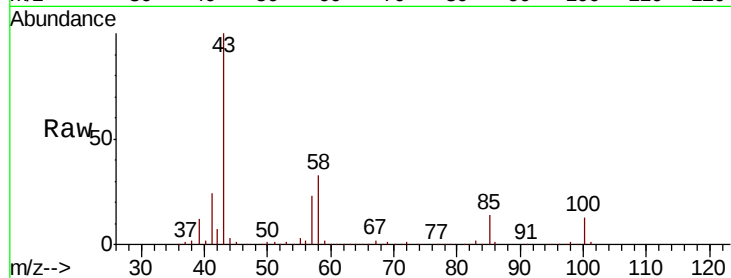
#51
4-Methyl-2-Pentanone
Concen: 23.654 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	33.1	49.7

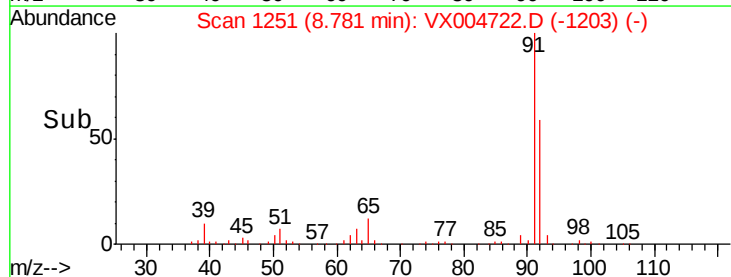
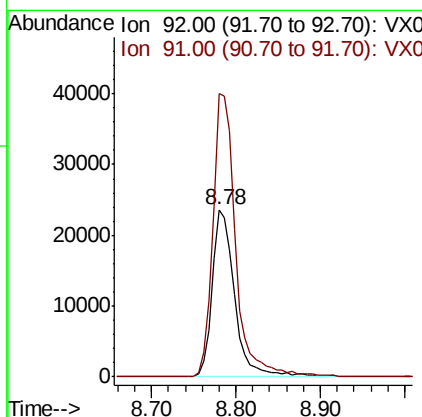
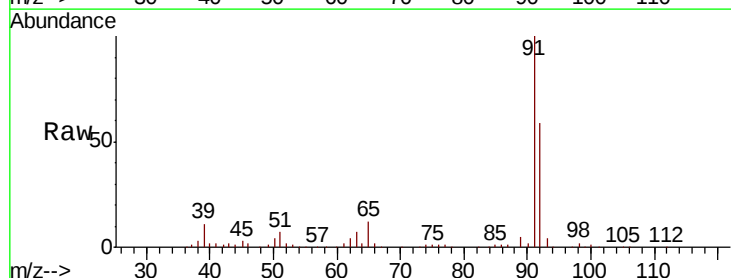
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#52
Toluene
Concen: 5.003 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	136.4	204.6





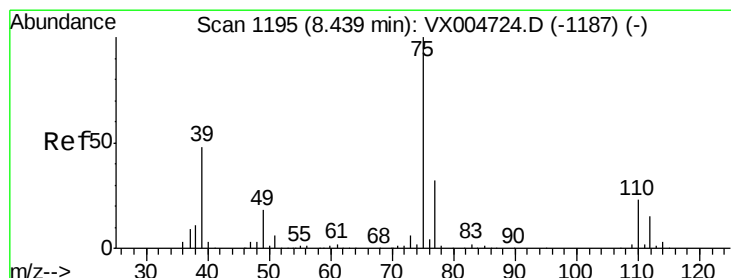
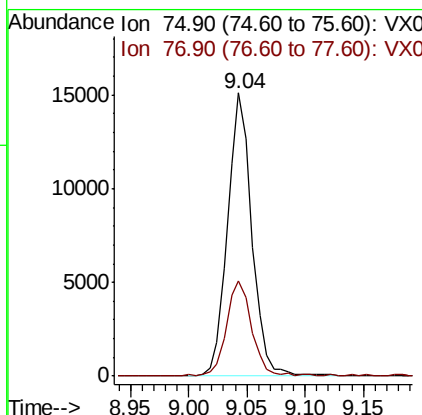
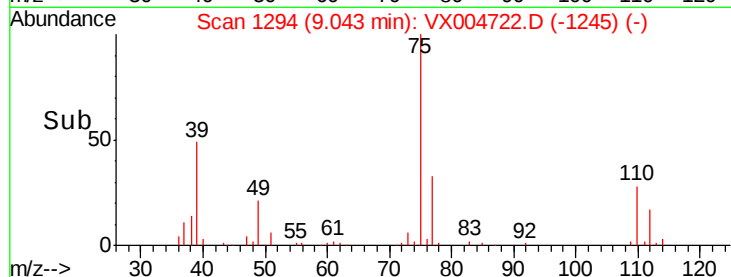
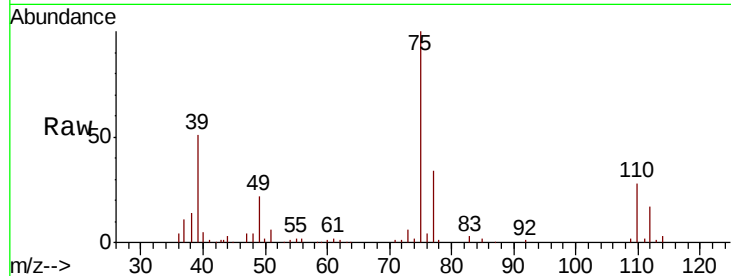
#53
t-1,3-Dichloropropene
Concen: 4.007 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 21917
Ion Ratio Lower Upper
75 100
77 33.4 24.6 37.0

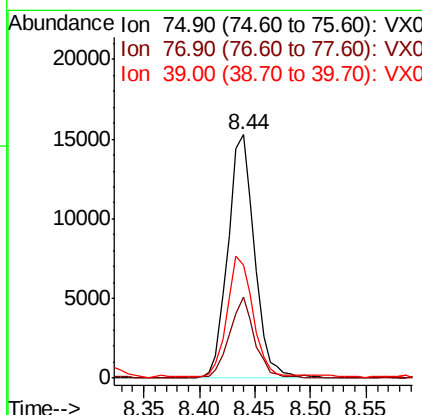
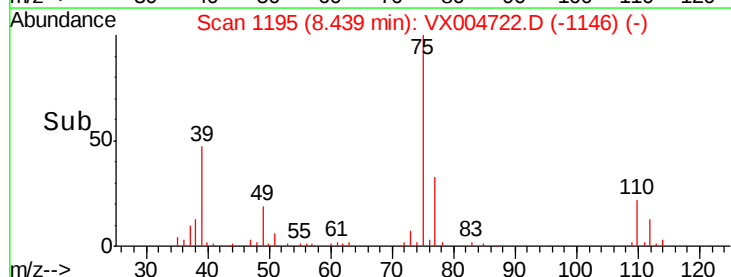
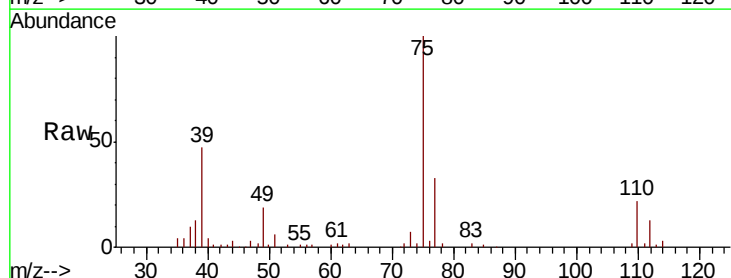
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#54
cis-1,3-Dichloropropene
Concen: 4.730 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion: 75 Resp: 25327
Ion Ratio Lower Upper
75 100
77 33.5 26.2 39.2
39 45.9 36.4 54.6





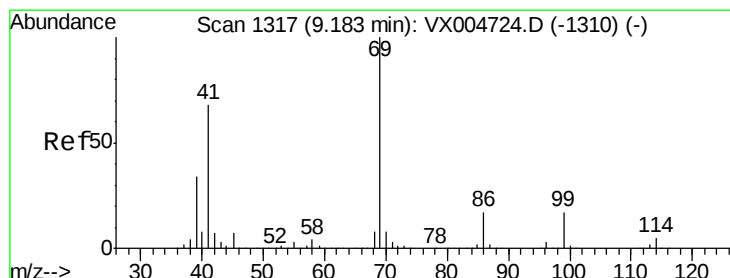
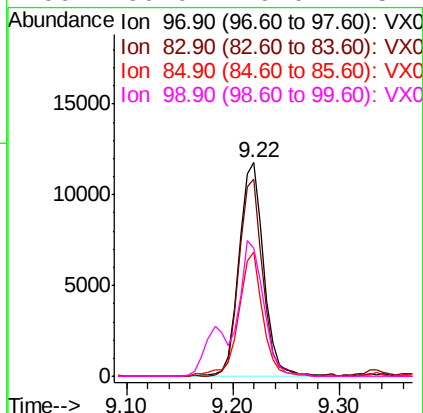
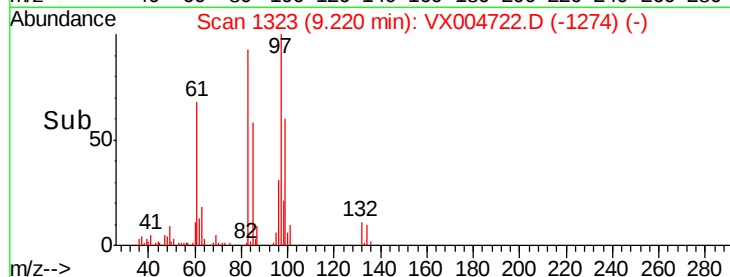
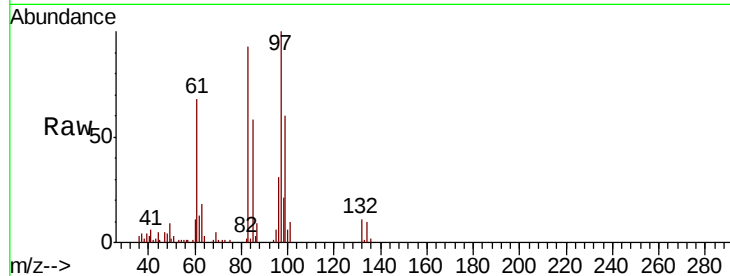
#55
 1,1,2-Trichloroethane
 Concen: 5.015 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	19136
Ion	Ratio	Lower	Upper
97	100		
83	92.6	66.4	99.6
85	57.9	43.3	64.9
99	60.0	49.0	73.4

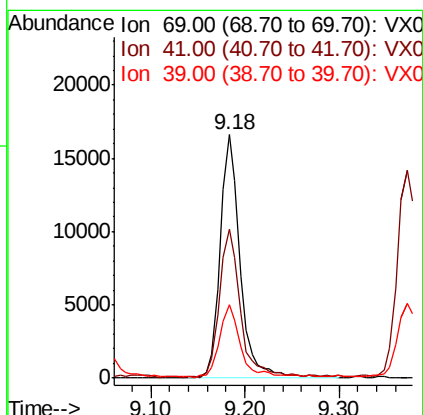
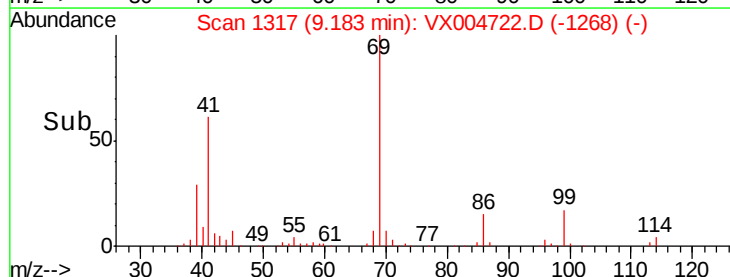
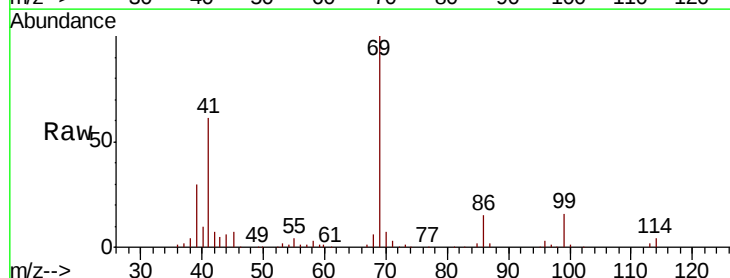
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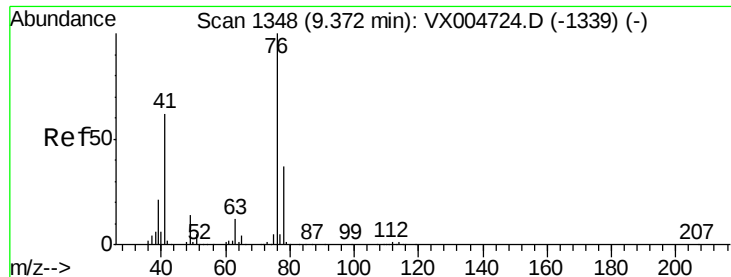
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#56
 Ethyl methacrylate
 Concen: 4.229 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Tgt Ion:	69	Resp:	24564
Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.0	76.4
39	31.5	26.1	39.1





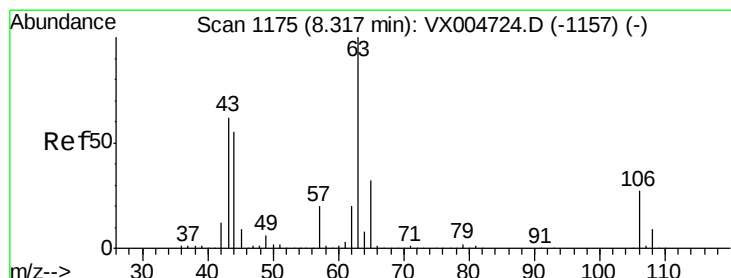
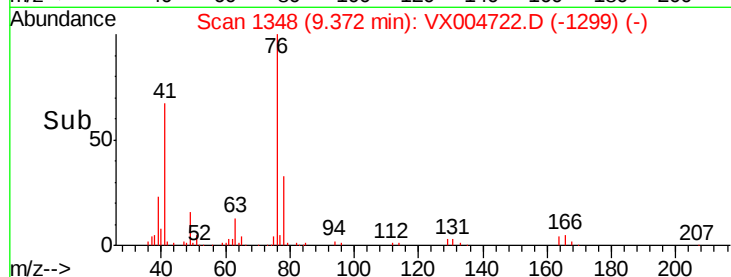
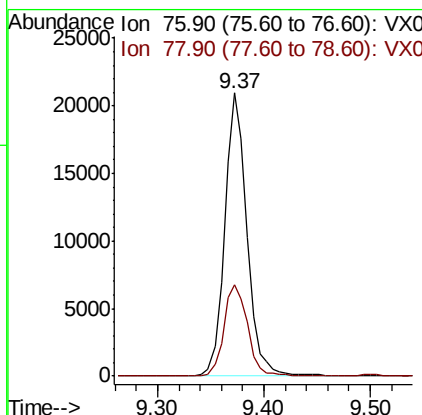
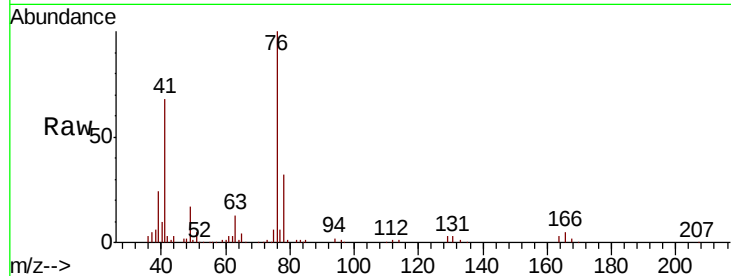
#57
 1,3-Dichloropropane
 Concen: 4.671 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 30485
 Ion Ratio Lower Upper
 76 100
 78 34.5 25.5 38.3

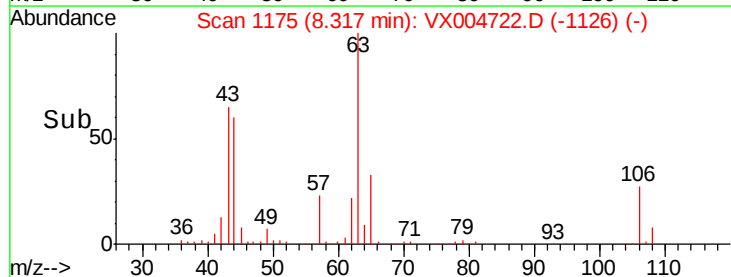
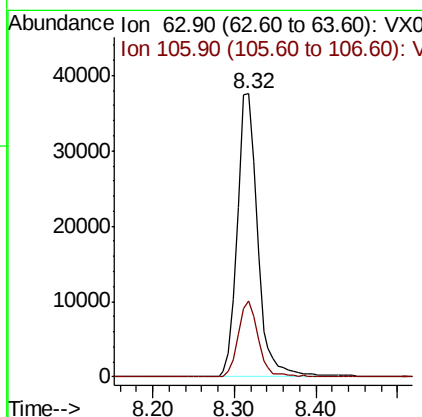
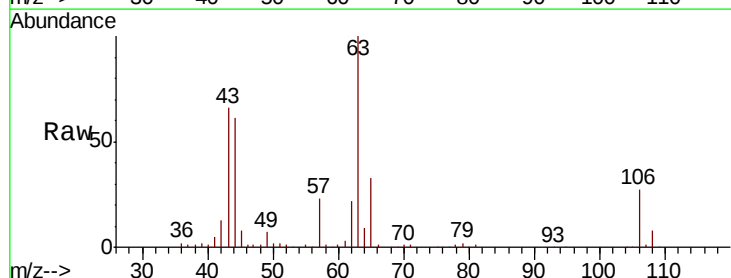
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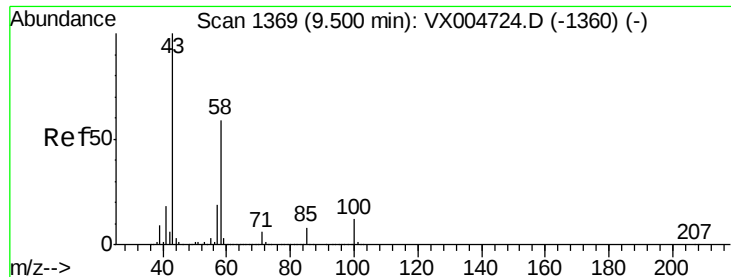
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 10/1/2018 1:30:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.695 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Tgt Ion: 63 Resp: 64250
 Ion Ratio Lower Upper
 63 100
 106 26.3 23.9 35.9





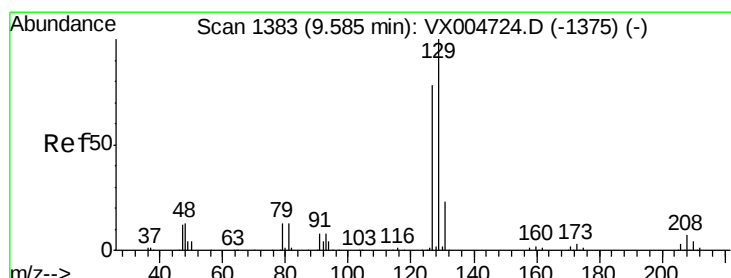
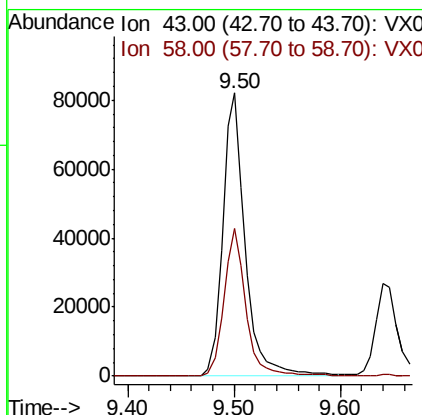
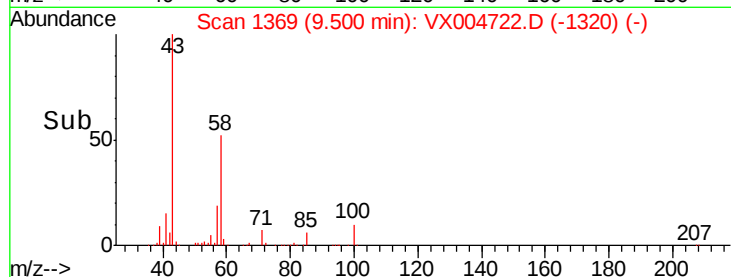
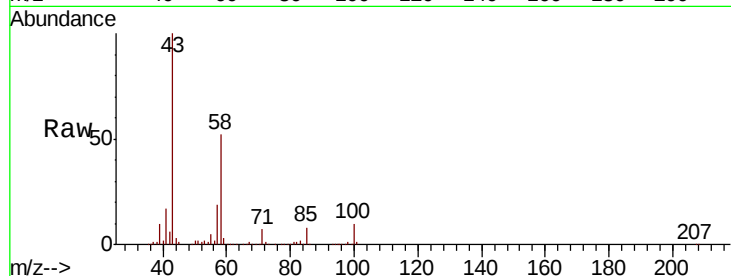
#59
2-Hexanone
Concen: 21.856 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	29.0	87.0

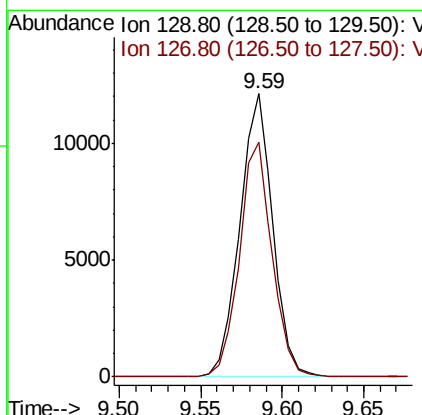
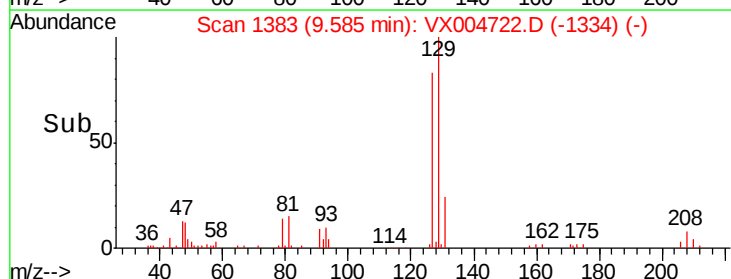
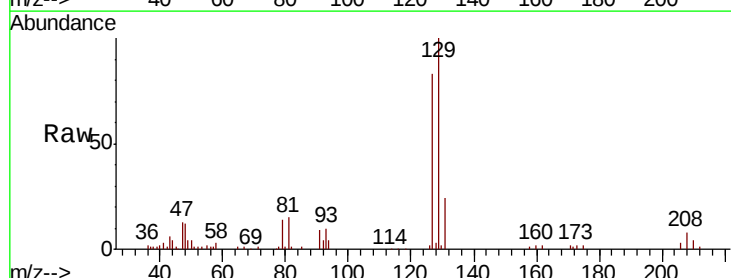
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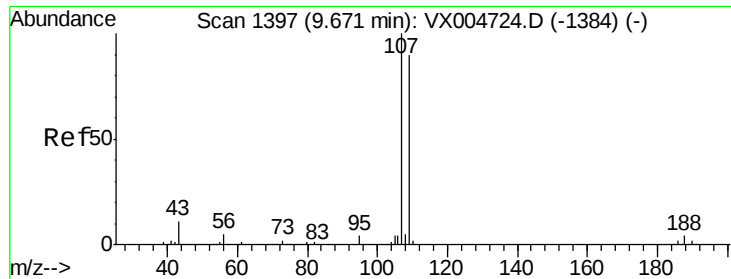
MMDadoda
10/1/2018 1:30:58 PM



#60
Dibromochloromethane
Concen: 4.093 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.8	38.5	115.5





#61

1,2-Dibromoethane

Concen: 5.008 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 21699

Ion Ratio Lower Upper

107 100

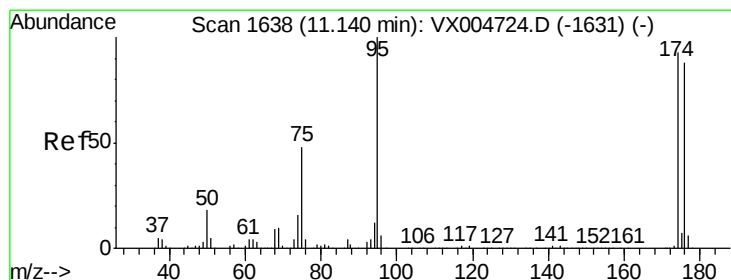
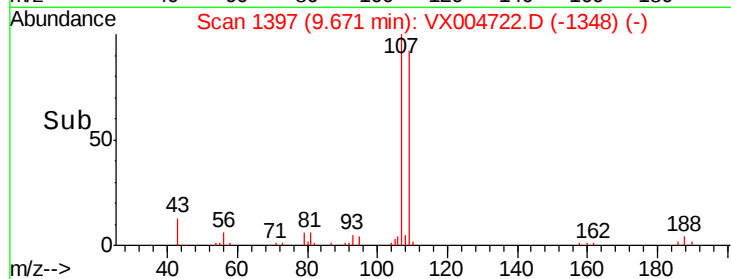
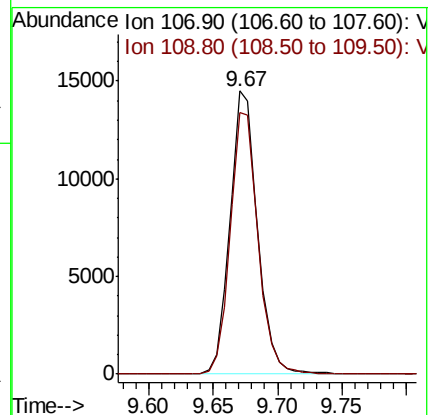
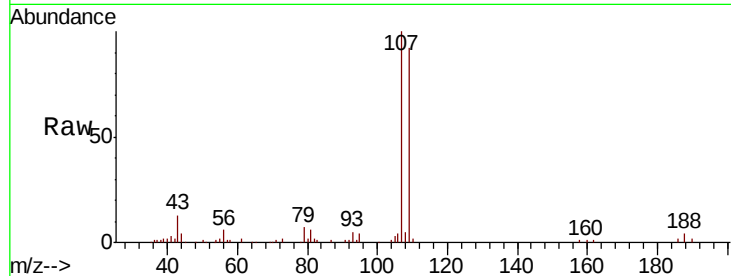
109 93.5 76.0 114.0

Manual Integrations

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10/1/2018 1:30:58 PM



#62

4-Bromofluorobenzene

Concen: 5.077 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

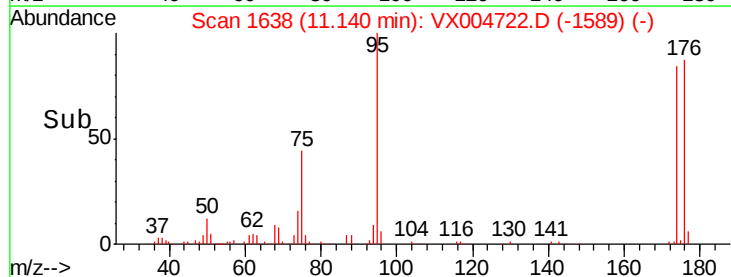
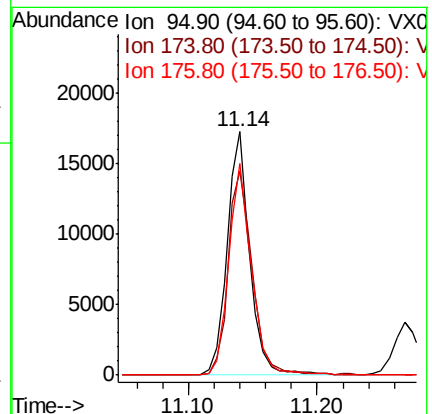
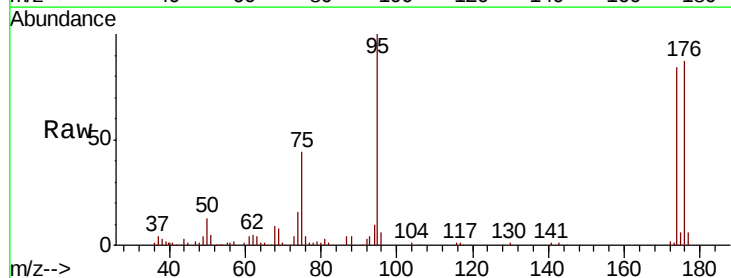
Tgt Ion: 95 Resp: 21203

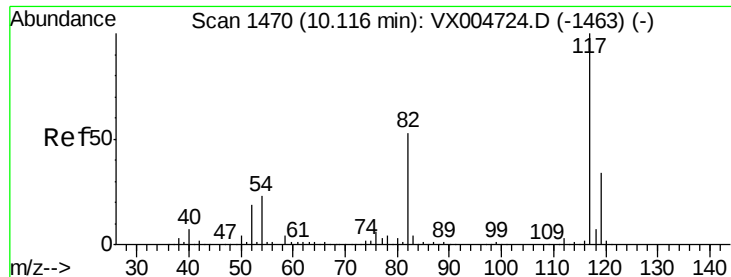
Ion Ratio Lower Upper

95 100

174 90.4 0.0 185.2

176 88.1 0.0 178.6





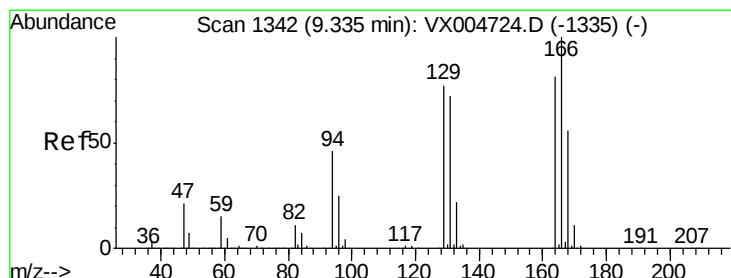
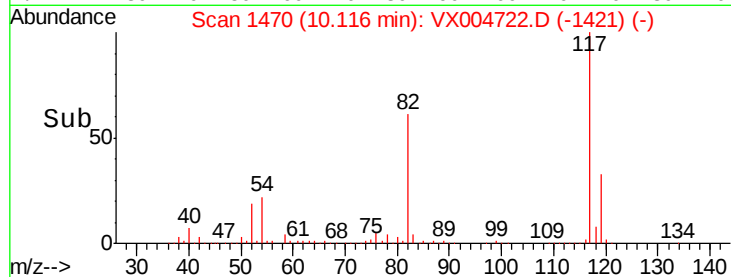
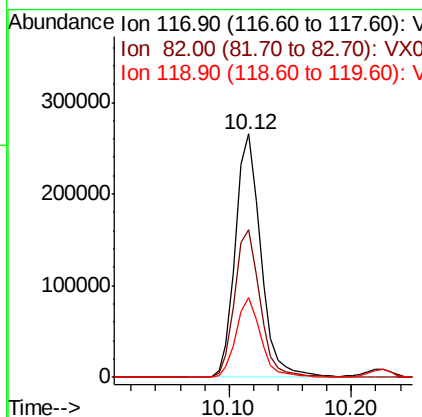
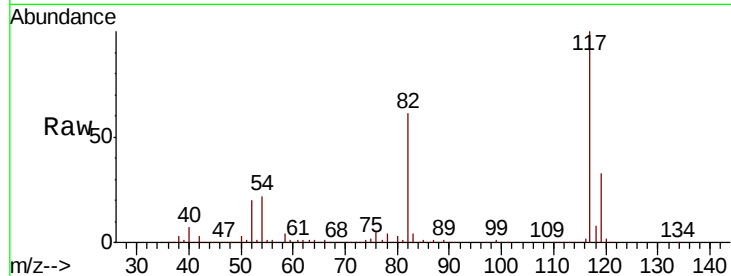
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	382401		
82	60.6	47.8	71.6	
119	32.8	29.3	43.9	

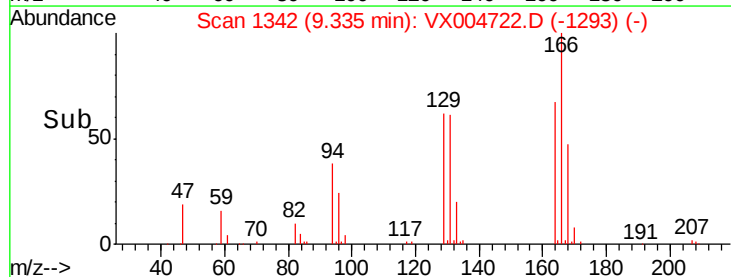
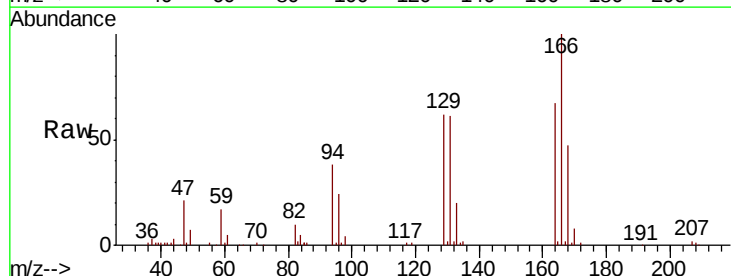
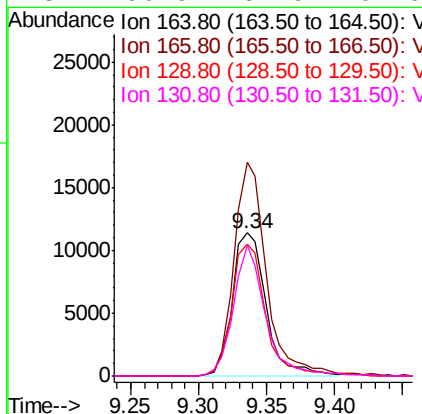
Manual Integrations
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10/1/2018 1:30:58 PM



#64
Tetrachloroethene
Concen: 5.149 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19731		
166	149.3	102.8	154.2	
129	92.2	69.4	104.0	
131	90.9	67.9	101.9	





#65

Chlorobenzene

Concen: 5.157 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 49597

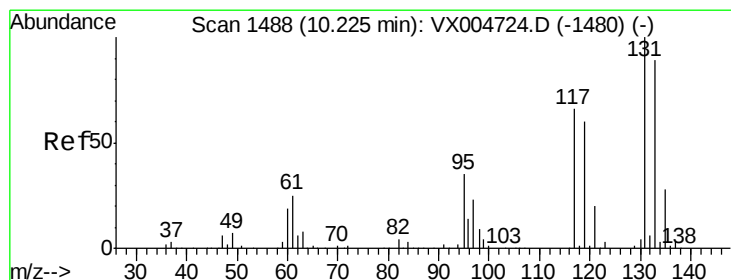
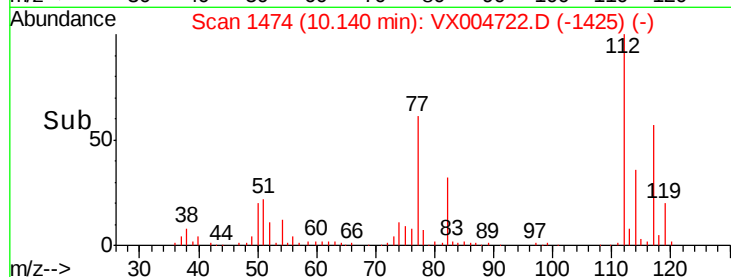
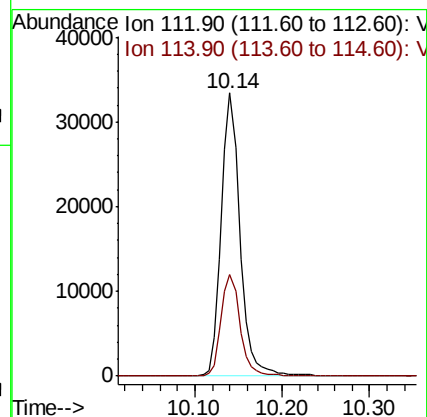
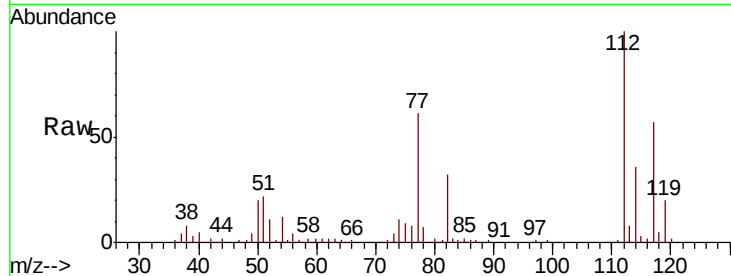
Ion Ratio Lower Upper

112 100

114 35.8 27.8 41.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 5.337 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

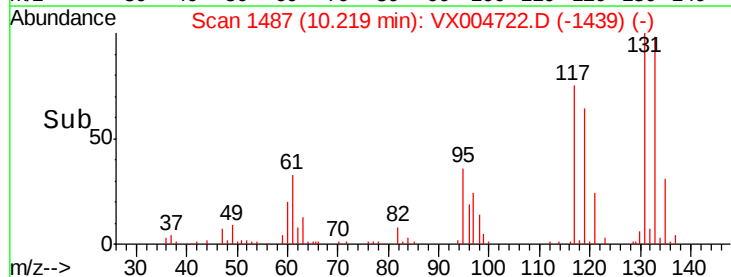
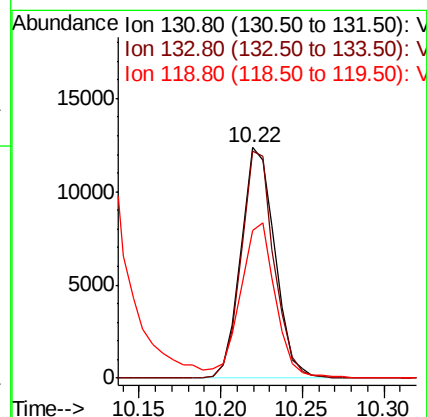
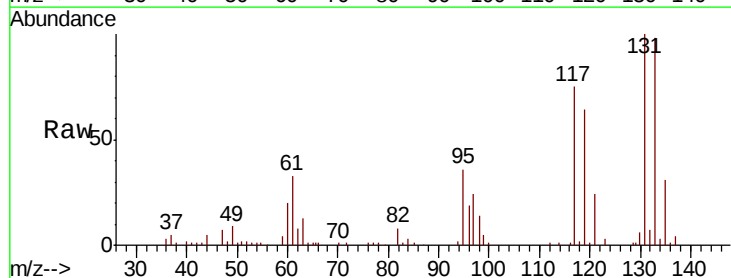
Tgt Ion:131 Resp: 17927

Ion Ratio Lower Upper

131 100

133 95.3 48.1 144.4

119 70.0 32.9 98.6





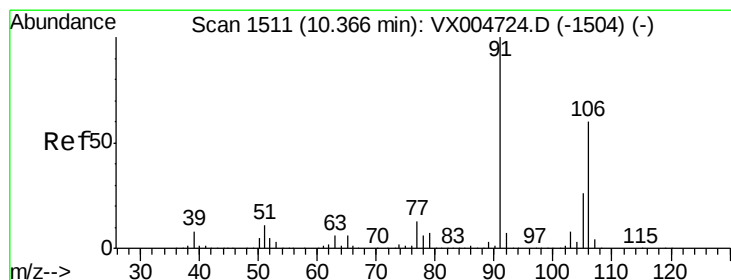
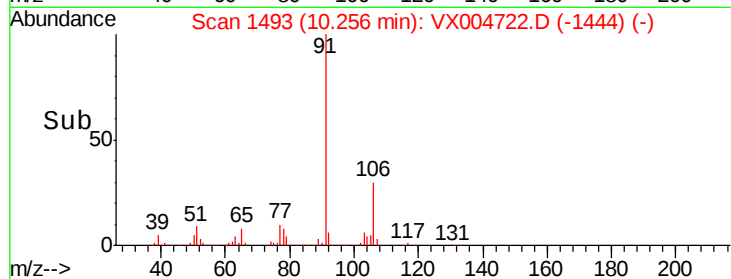
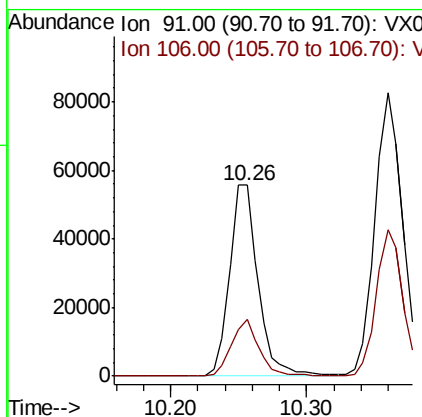
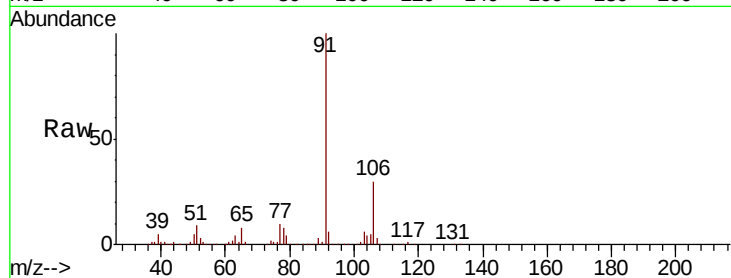
#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 81498
Ion Ratio Lower Upper
91 100
106 29.9 25.9 38.9

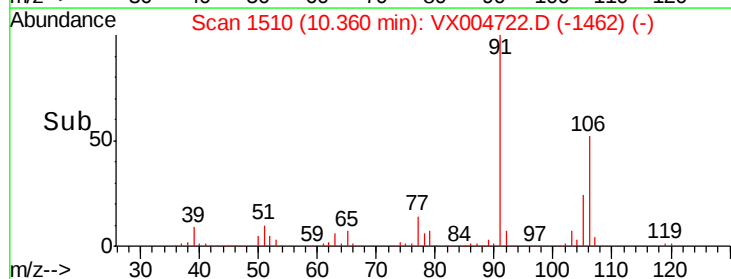
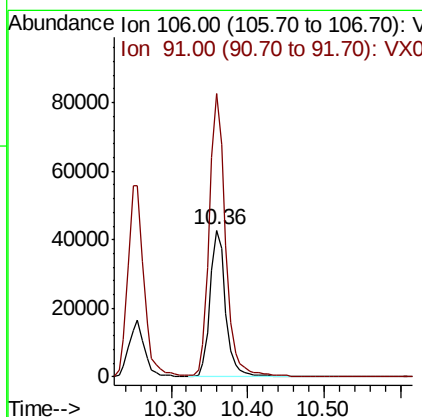
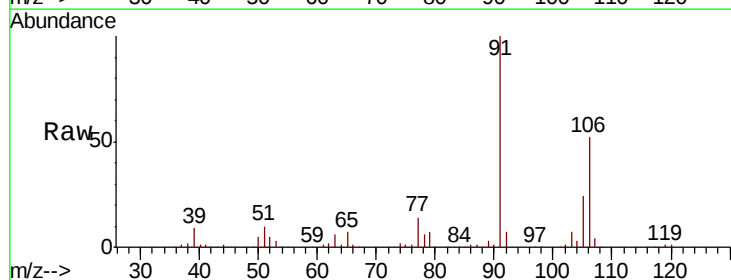
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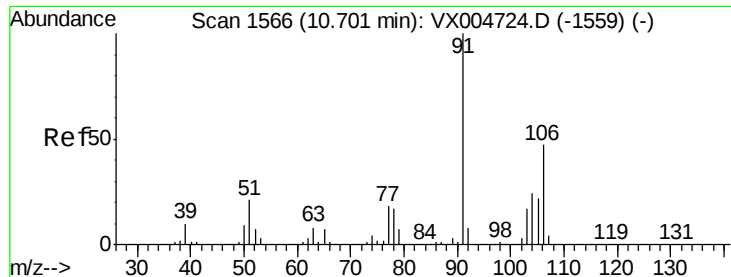
MMDadoda
10/1/2018 1:30:58 PM



#68
m/p-Xylenes
Concen: 9.671 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion: 106 Resp: 60848
Ion Ratio Lower Upper
106 100
91 200.9 157.1 235.7





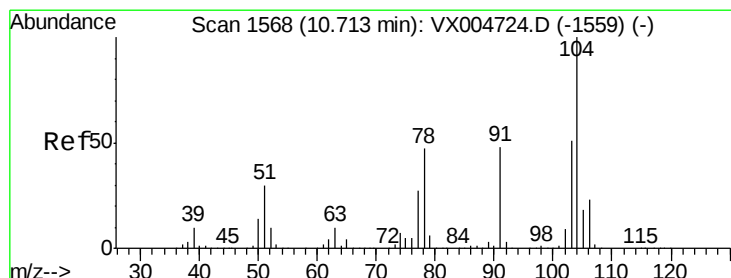
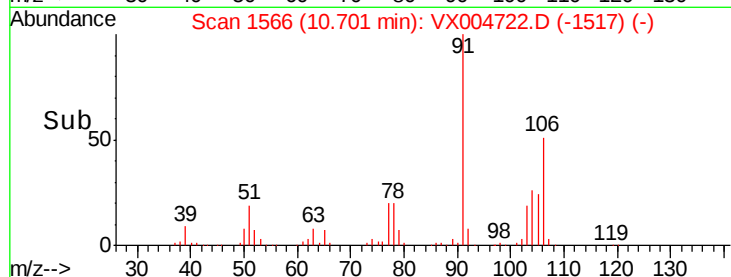
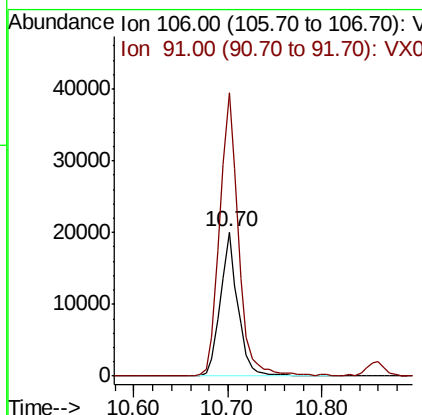
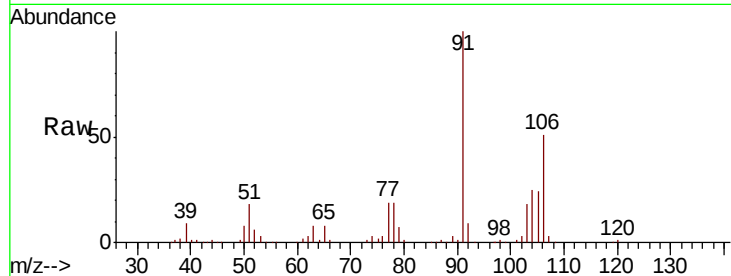
#69
o-Xylene
Concen: 4.588 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 26119
Ion Ratio Lower Upper
106 100
91 211.3 105.1 315.1

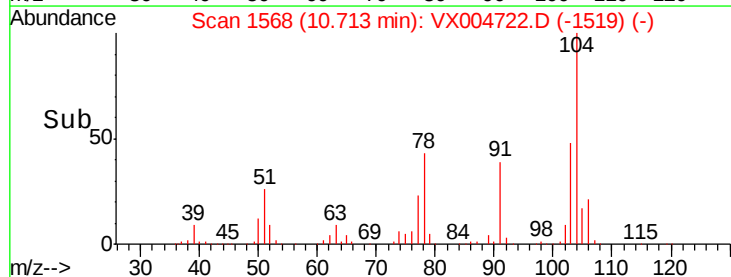
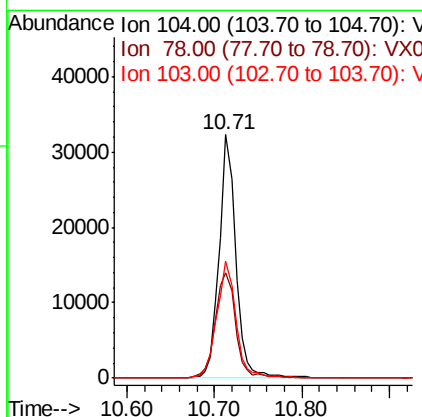
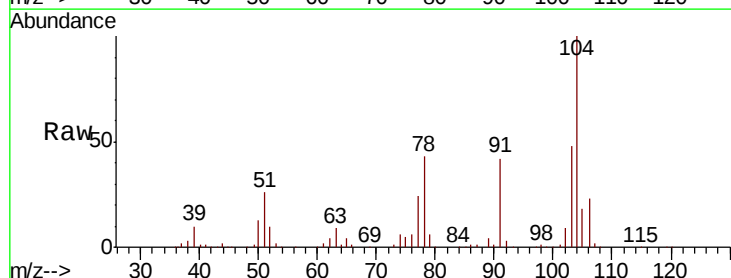
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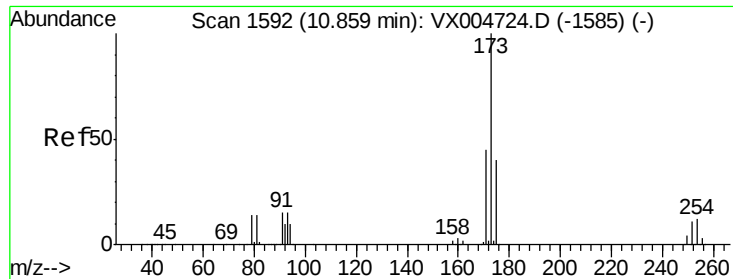
MMDadoda
10/1/2018 1:30:58 PM



#70
Styrene
Concen: 4.389 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion:104 Resp: 42752
Ion Ratio Lower Upper
104 100
78 53.2 37.4 56.0
103 55.1 43.8 65.6





#71

Bromoform

Concen: 4.508 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

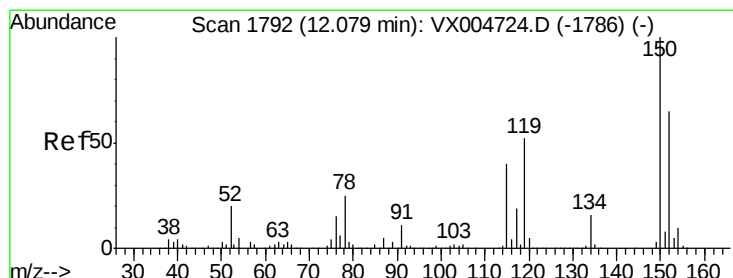
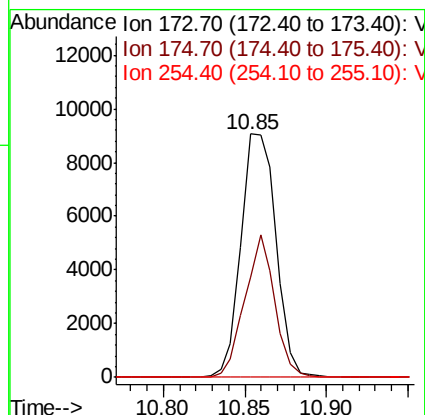
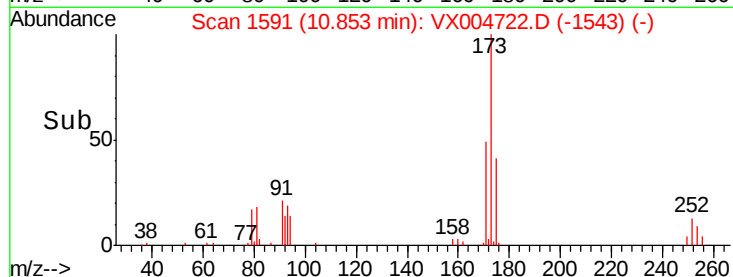
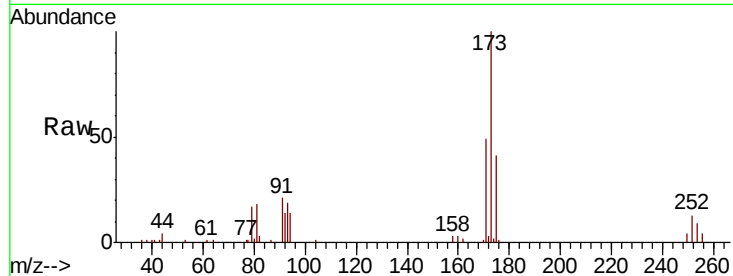
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.3
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

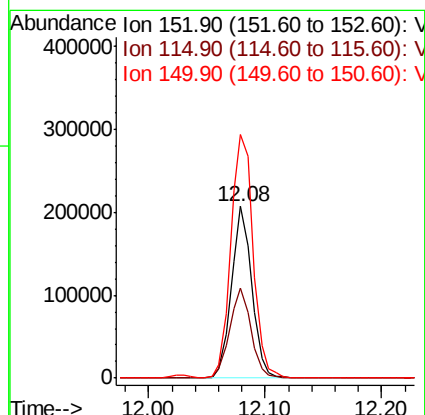
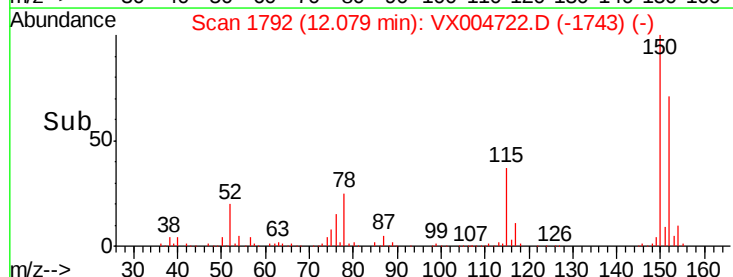
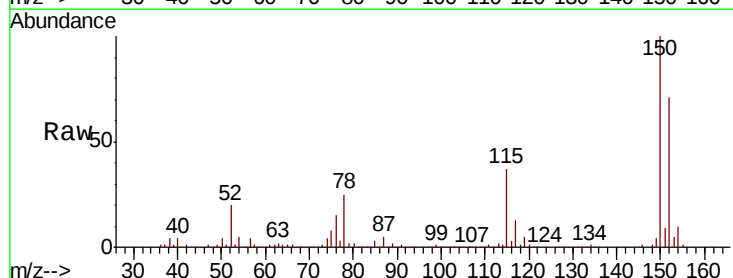
RT: 12.08 min Scan# 1792

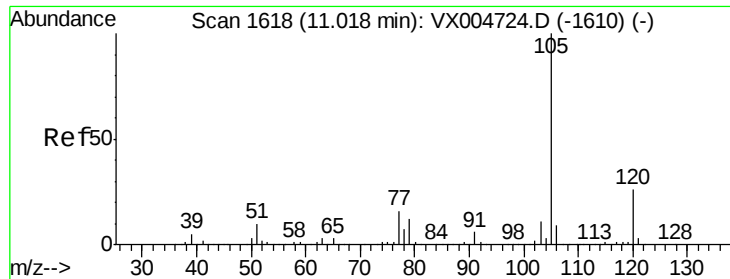
Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.0	117.0
150	155.2	0.0	351.0





#73

Isopropylbenzene

Concen: 3.958 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 69956

Ion Ratio Lower Upper

105 100

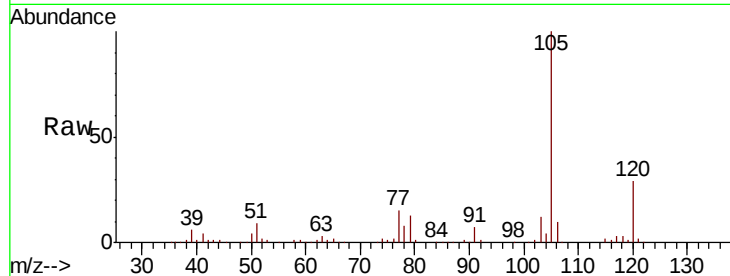
120 27.7 13.5 40.4

Manual Integrations

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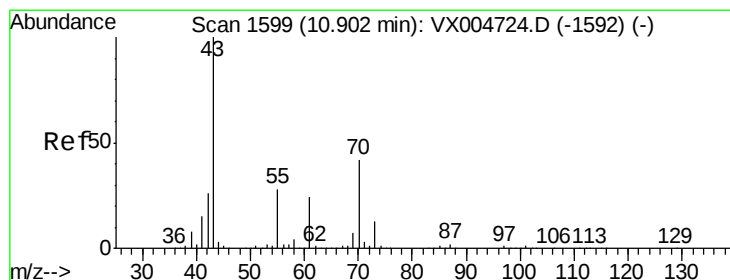
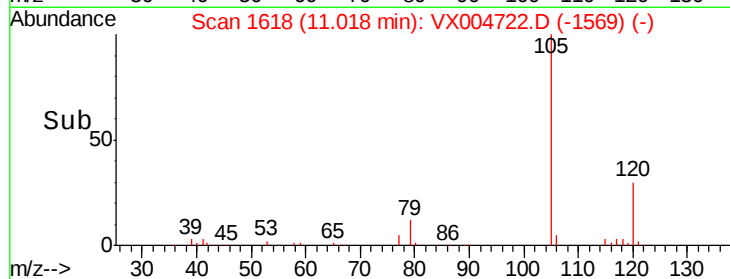
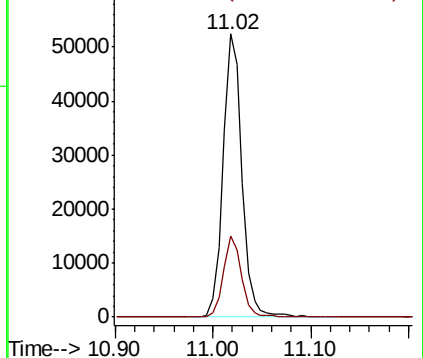
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.292 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion: 43 Resp: 28415

Ion Ratio Lower Upper

43 100

70 44.8 37.4 56.0

55 30.4 21.8 32.8

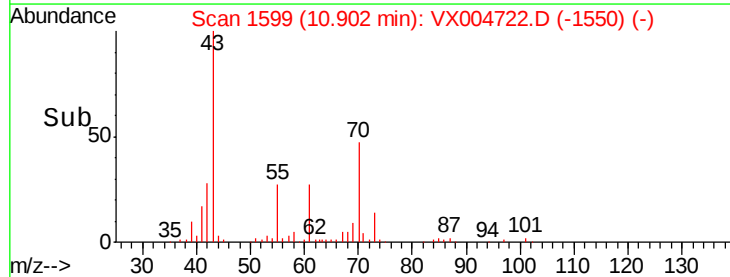
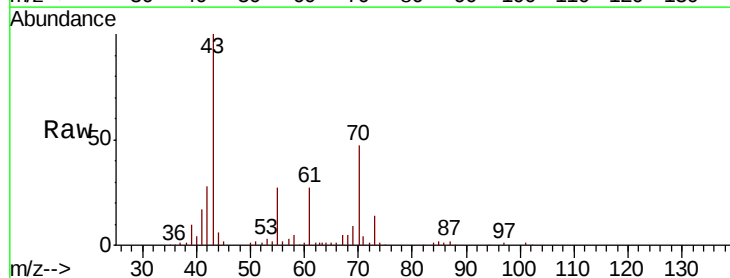
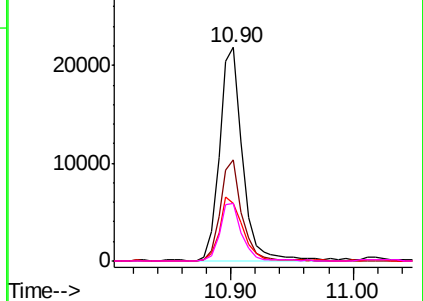
61 26.1 20.6 30.8

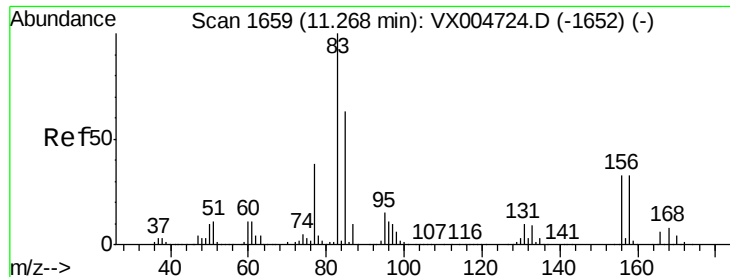
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.836 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

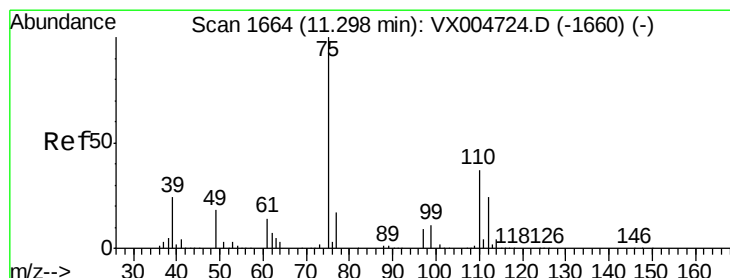
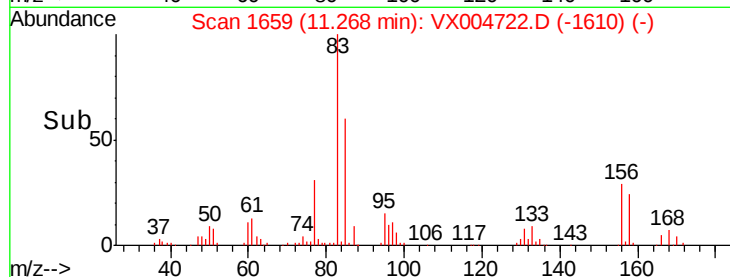
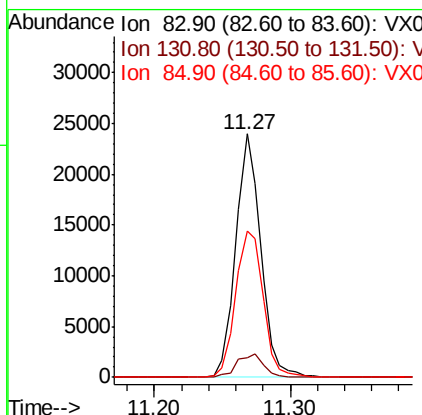
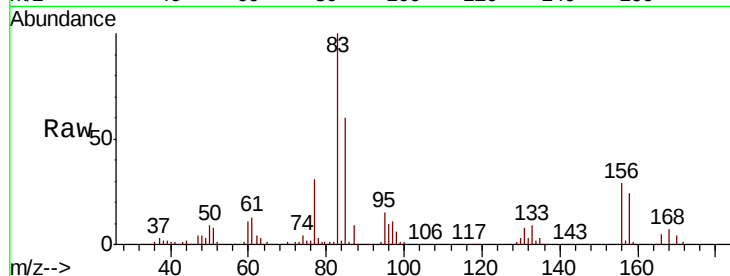
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	30745
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	65.9	32.3	96.8

Manual Integrations
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10/1/2018 1:30:58 PM



#76

1,2,3-Trichloropropane

Concen: 4.980 ug/l m

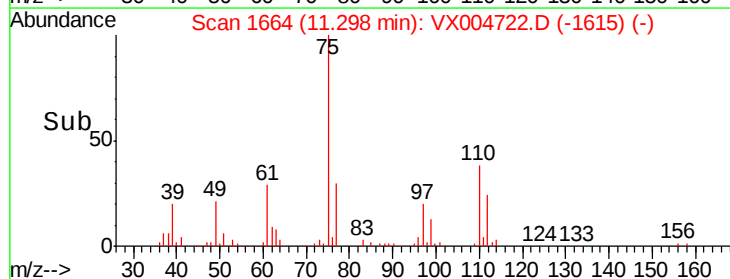
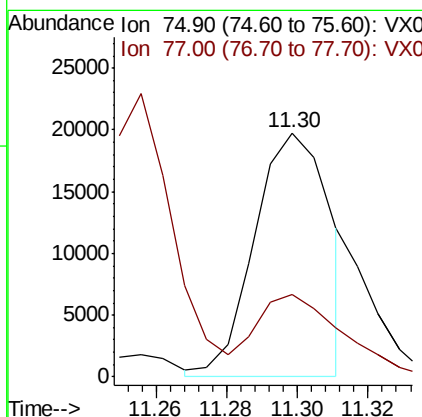
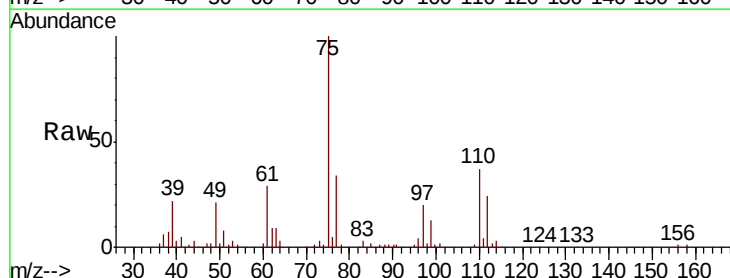
RT: 11.30 min Scan# 1664

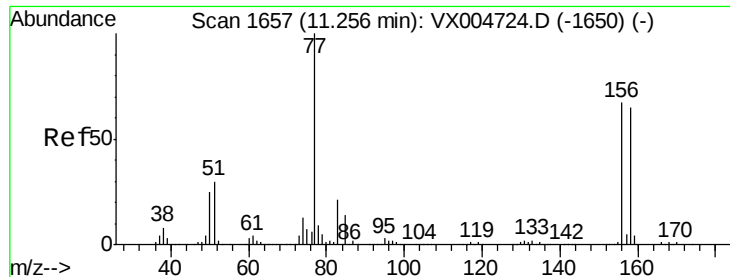
Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	75	Resp:	29015
Ion Ratio	Lower	Upper	
75	100		
77	38.5	20.2	60.6





#77

Bromobenzene

Concen: 4.469 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 21437

Ion Ratio Lower Upper

156 100

77 143.0 71.5 214.3

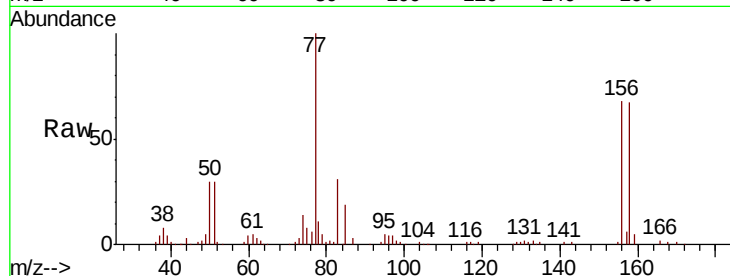
158 94.5 48.9 146.8

Manual Integrations

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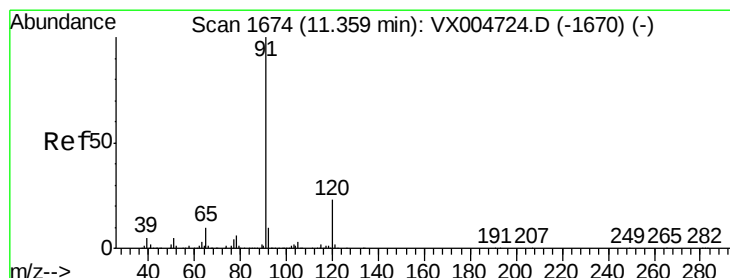
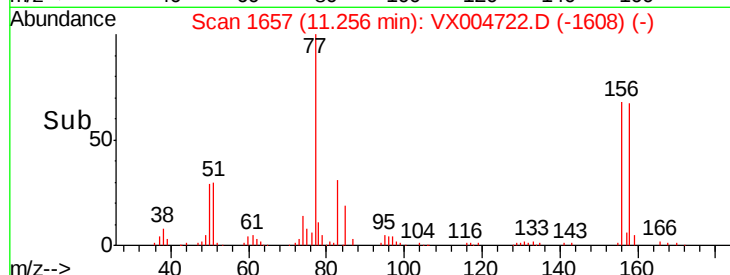
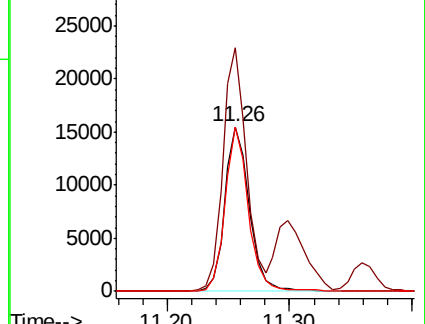
10/1/2018 1:30:58 PM



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: 3.737 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004722.D

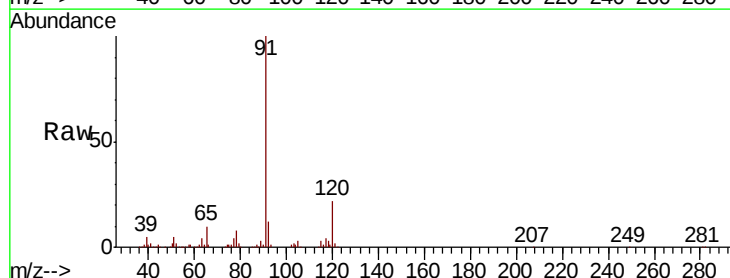
Acq: 26 Sep 2018 11:59

Tgt Ion: 91 Resp: 76381

Ion Ratio Lower Upper

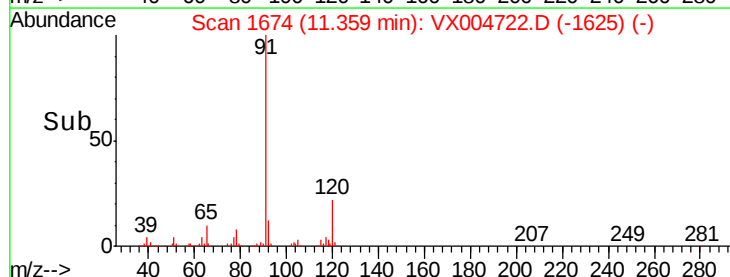
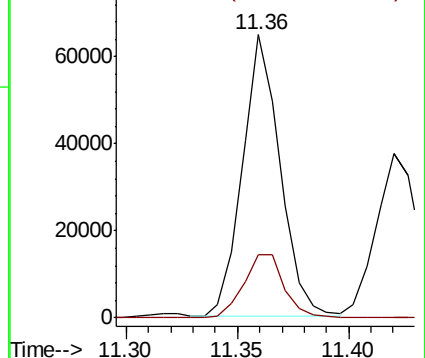
91 100

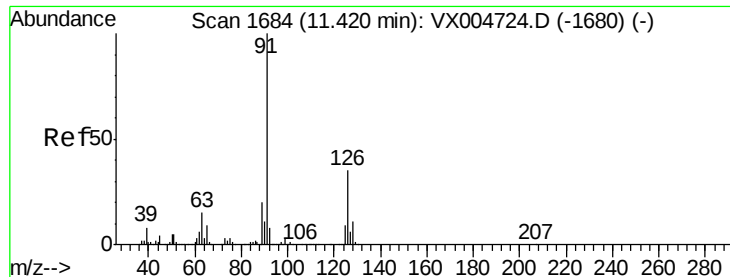
120 24.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.047 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 49643

Ion Ratio Lower Upper

91 100

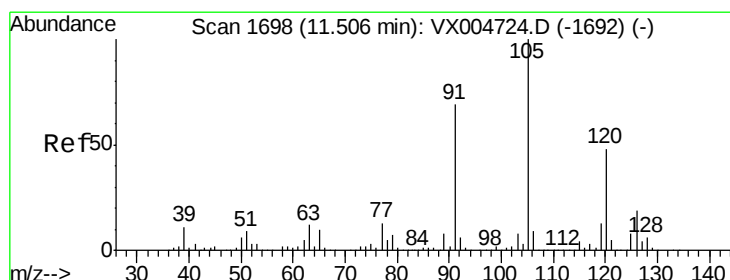
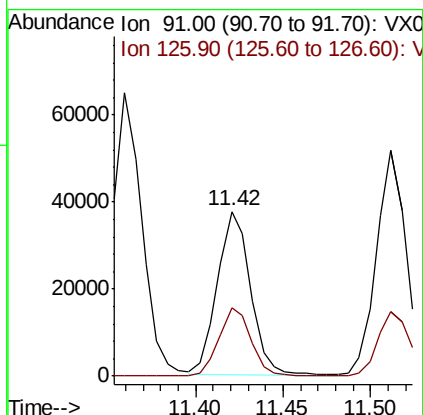
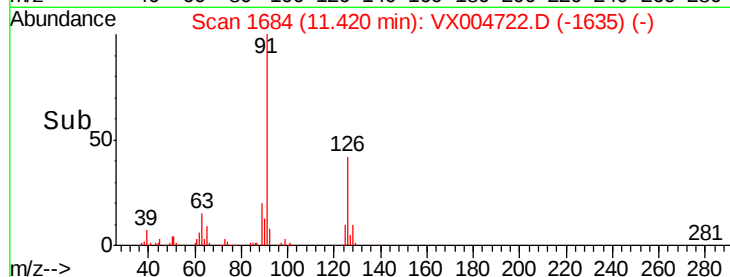
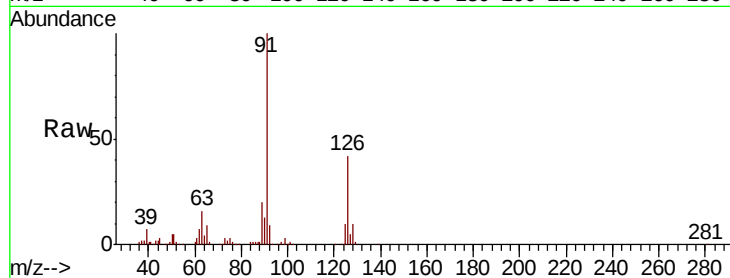
126 40.4 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 3.747 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004722.D

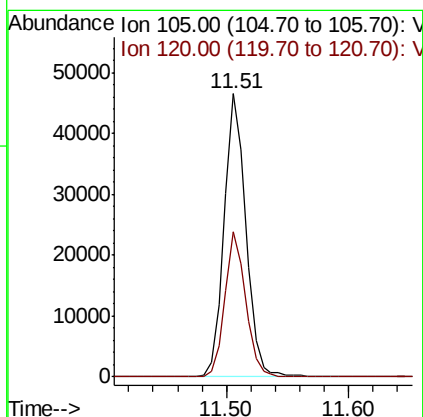
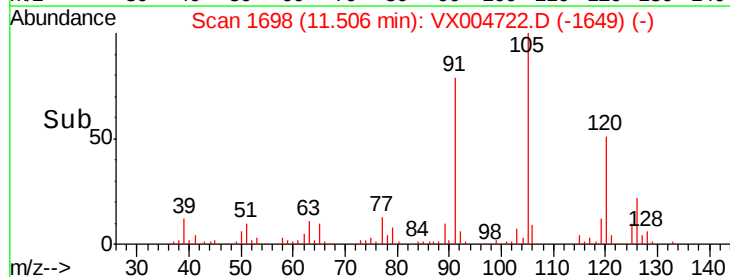
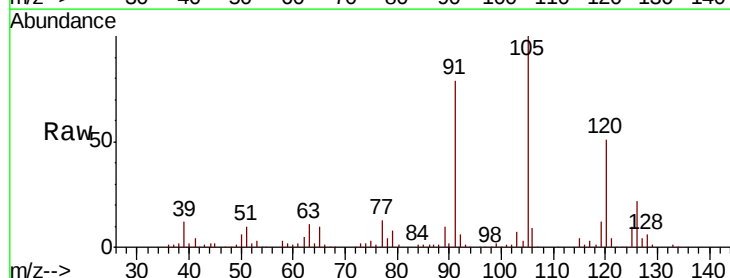
Acq: 26 Sep 2018 11:59

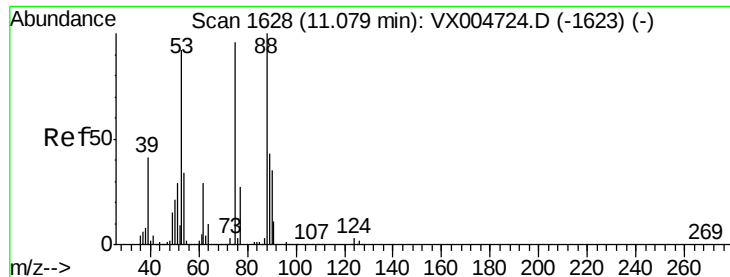
Tgt Ion: 105 Resp: 57035

Ion Ratio Lower Upper

105 100

120 49.6 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.600 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

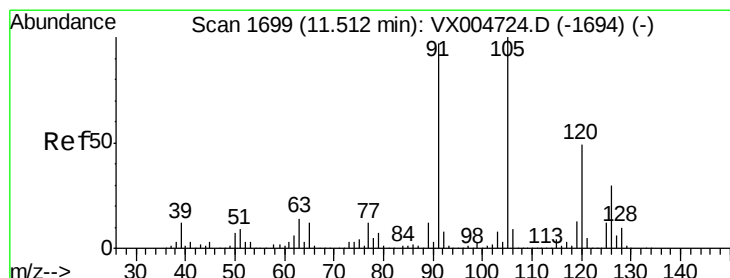
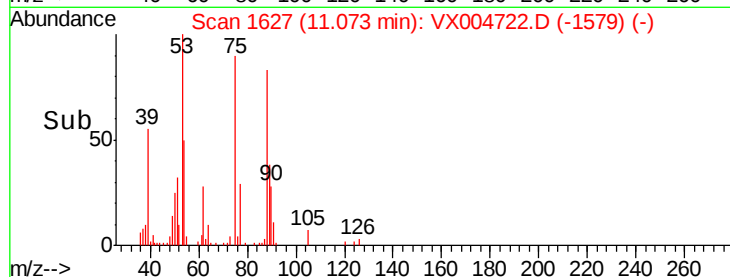
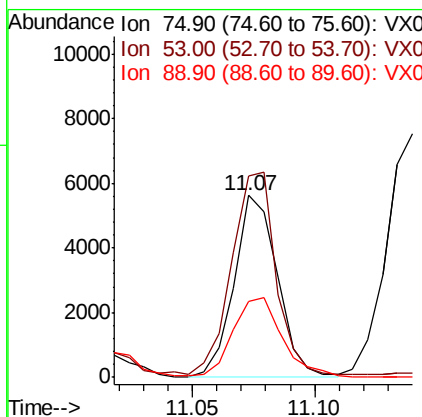
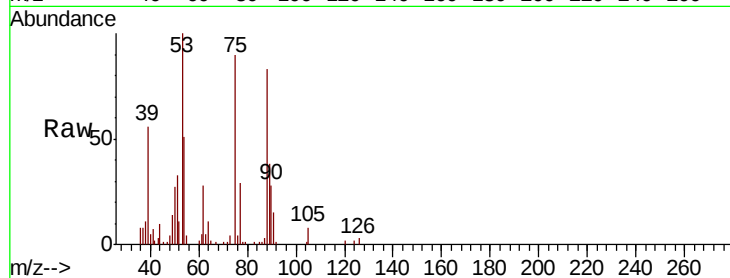
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	6967
Ion	Ratio	Lower	Upper
75	100		
53	114.9	80.1	120.1
89	50.0	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.306 ug/l

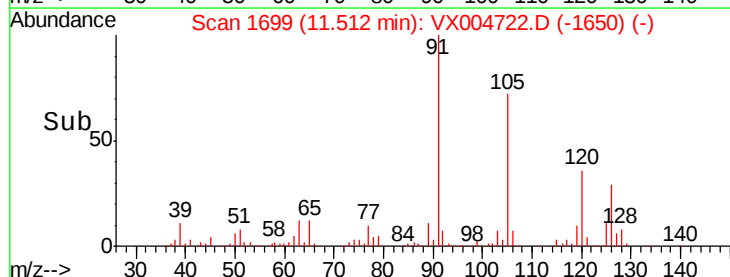
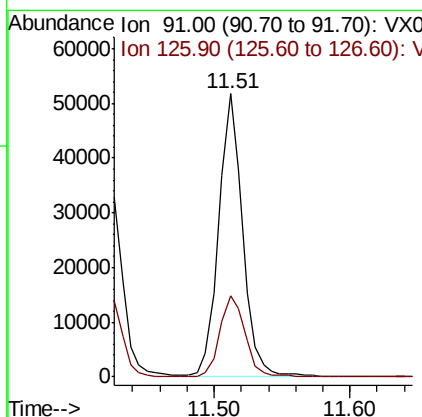
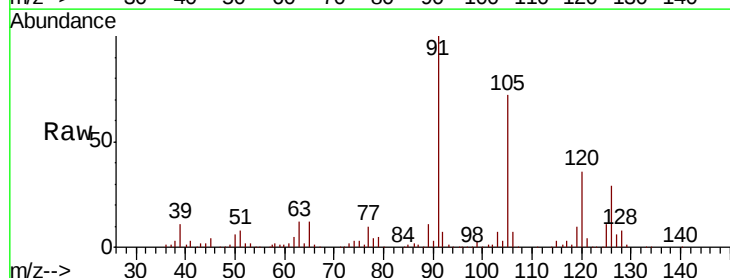
RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Tgt Ion:	91	Resp:	62822
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.5	46.5





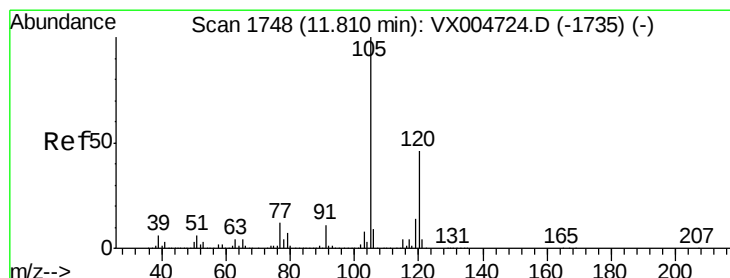
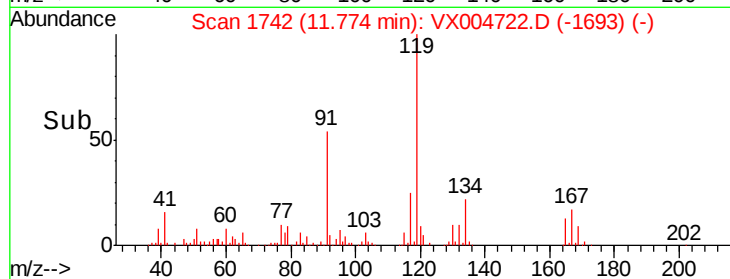
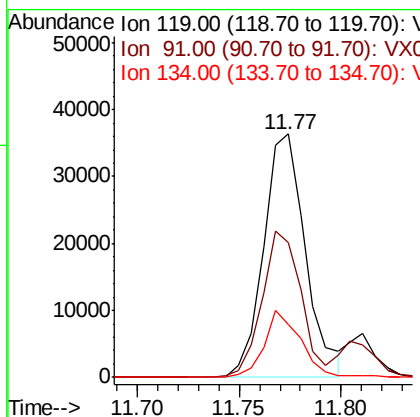
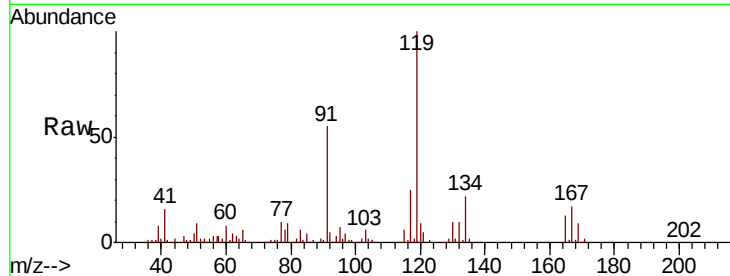
#83
tert-Butylbenzene
Concen: 3.591 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.0	81.0
134	24.2	11.7	35.1

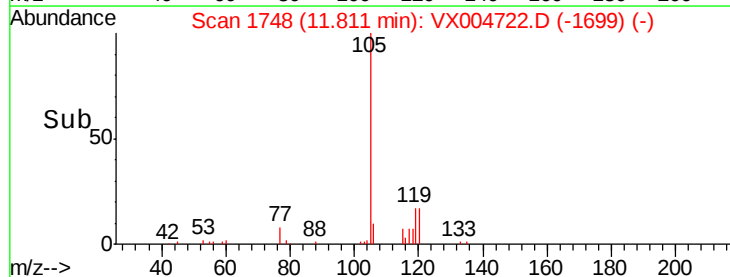
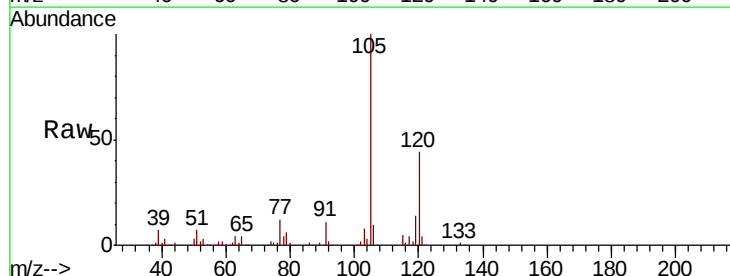
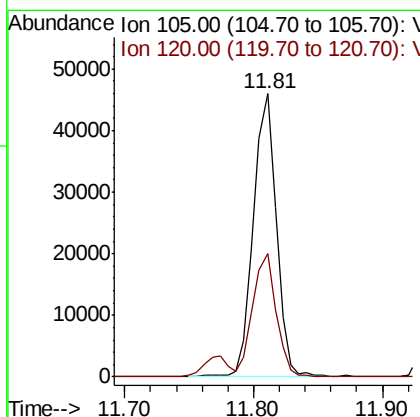
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 3.605 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 4.143 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 73014

Ion Ratio Lower Upper

105 100

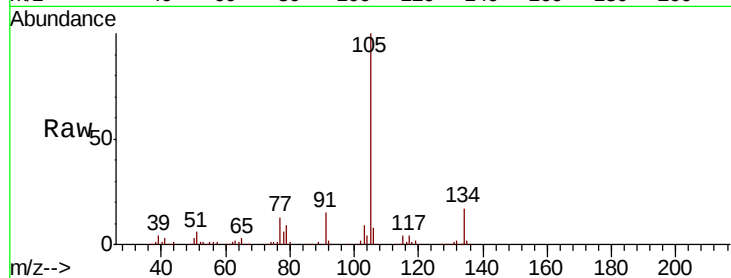
134 19.1 10.5 31.5

Manual Integrations

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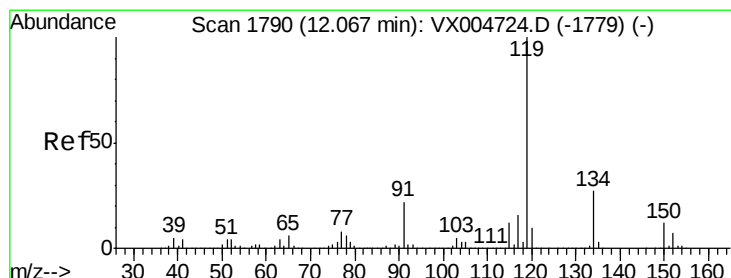
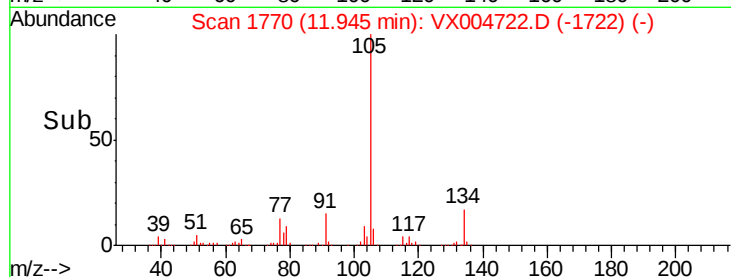
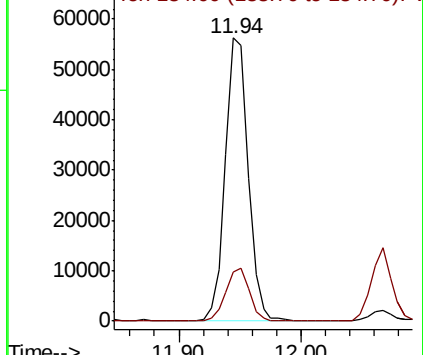
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.061 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004722.D

Acq: 26 Sep 2018 11:59

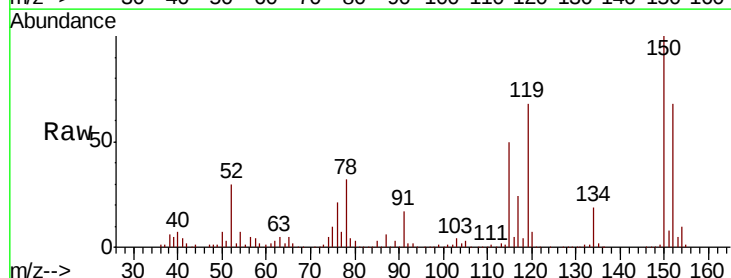
Tgt Ion:119 Resp: 65056

Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.2

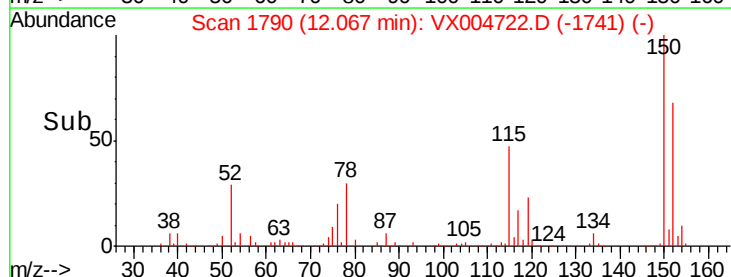
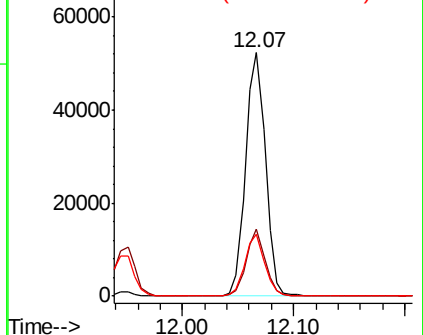
91 25.5 10.9 32.7

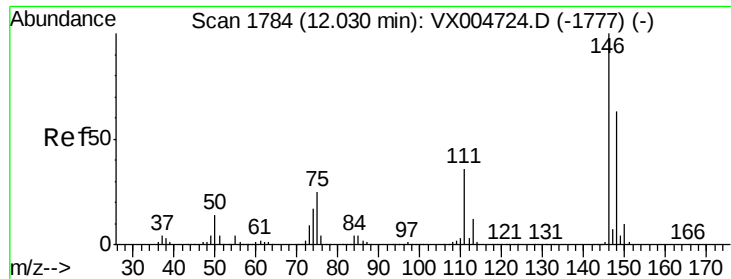


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





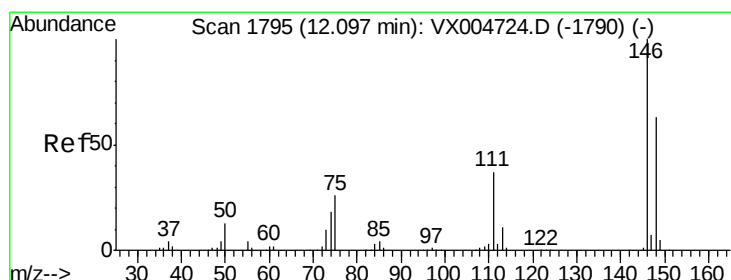
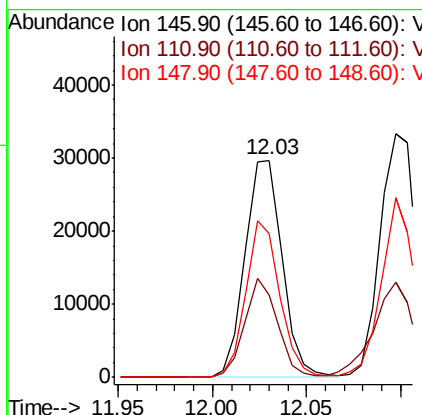
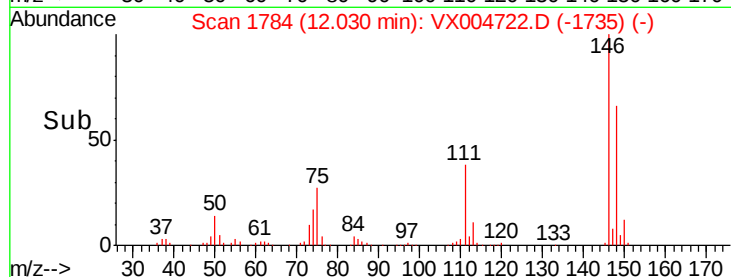
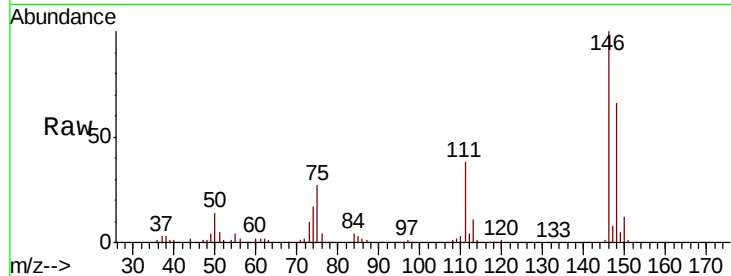
#87
 1,3-Dichlorobenzene
 Concen: 4.583 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.7	56.1
148	66.6	32.1	96.5

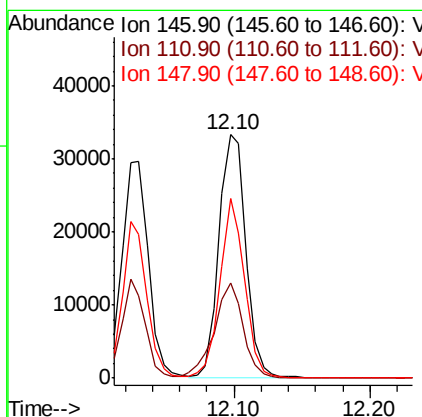
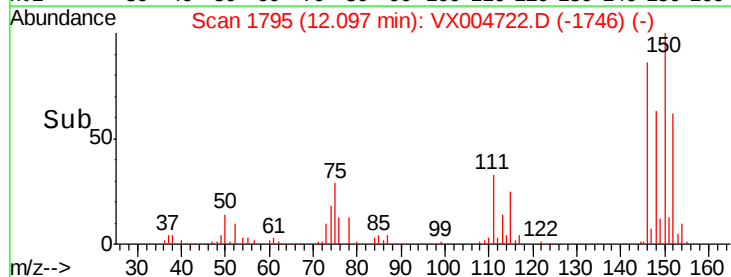
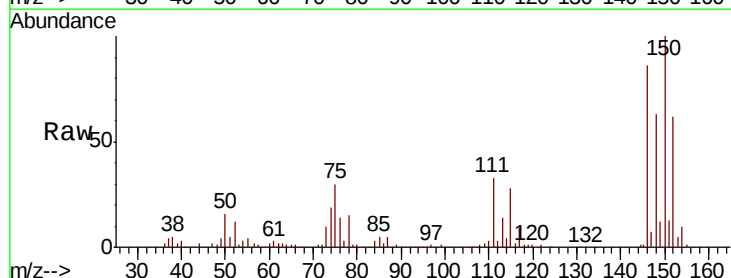
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#88
 1,4-Dichlorobenzene
 Concen: 5.070 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.1	54.1
148	67.6	32.0	96.0





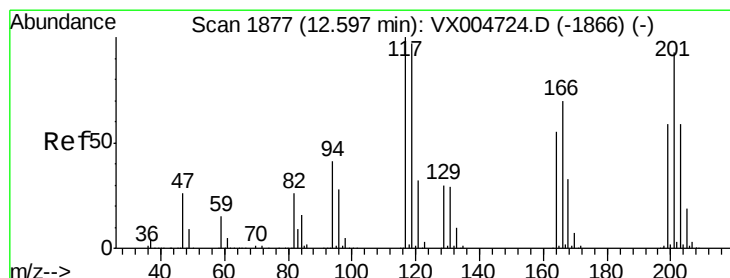
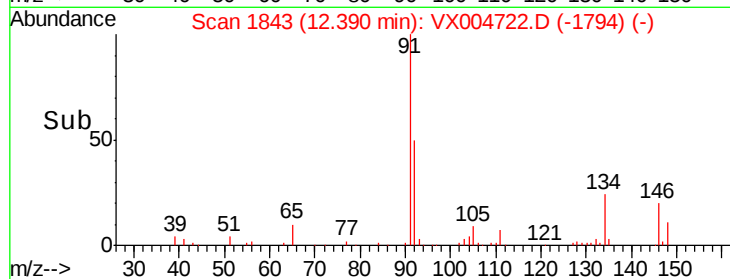
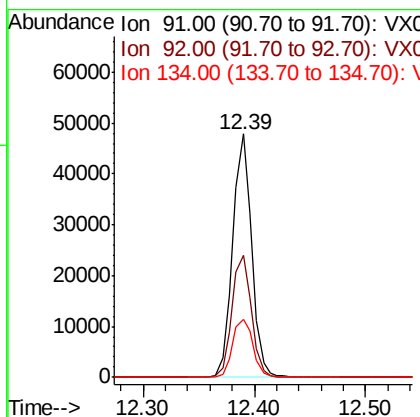
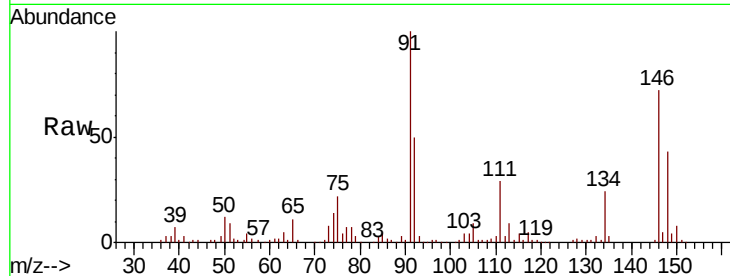
#89
n-Butylbenzene
Concen: 3.921 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	27.3	81.9
134	25.7	13.6	40.7

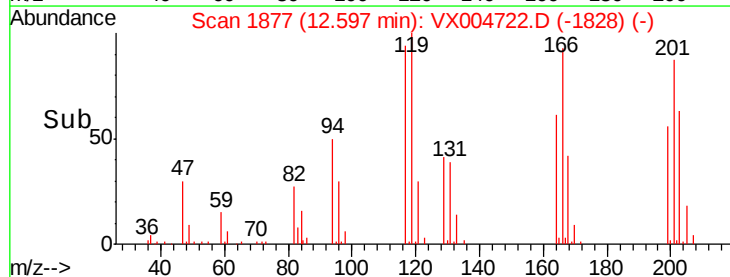
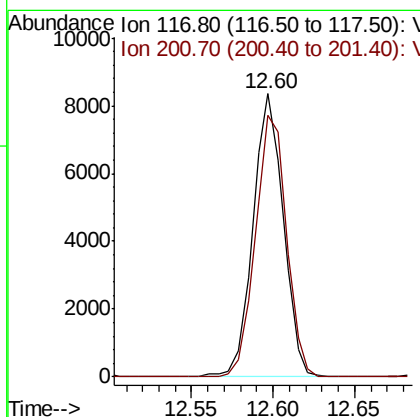
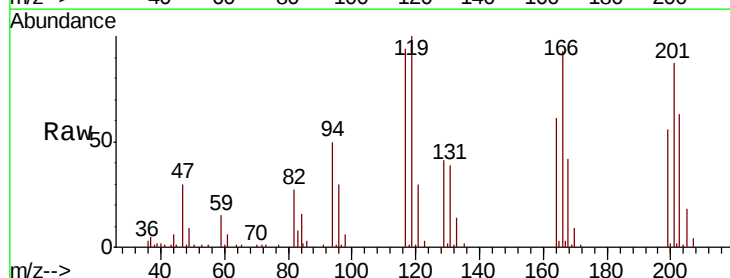
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#90
Hexachloroethane
Concen: 4.507 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	46.9	140.6





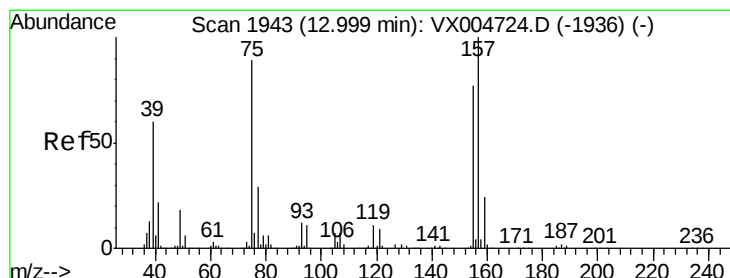
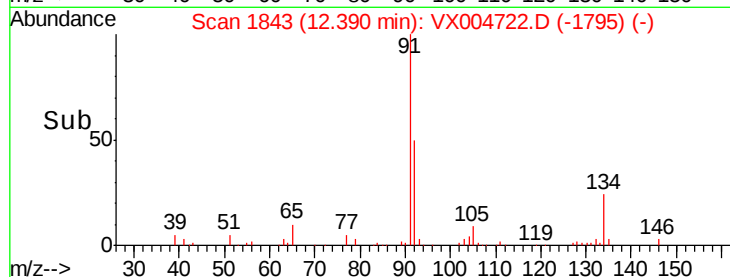
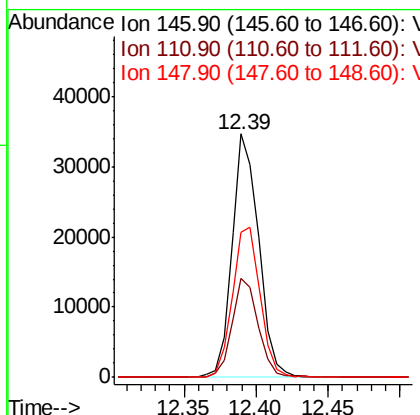
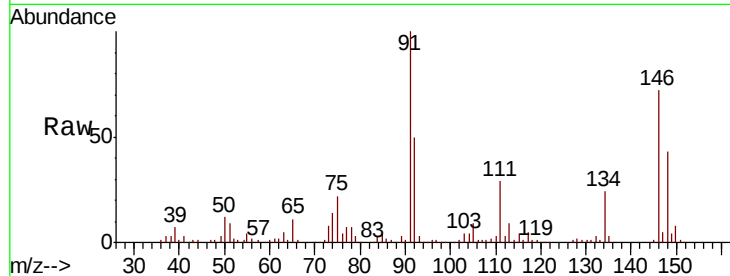
#91
 1,2-Dichlorobenzene
 Concen: 4.941 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.4	58.1
148	64.2	32.8	98.3

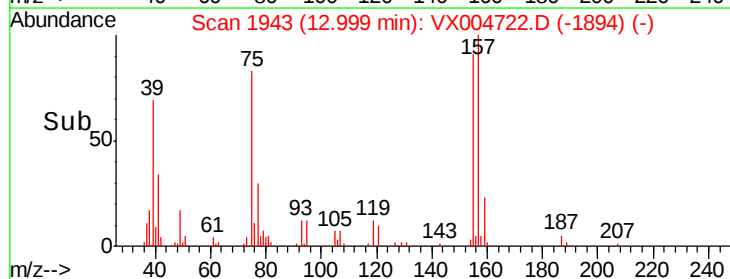
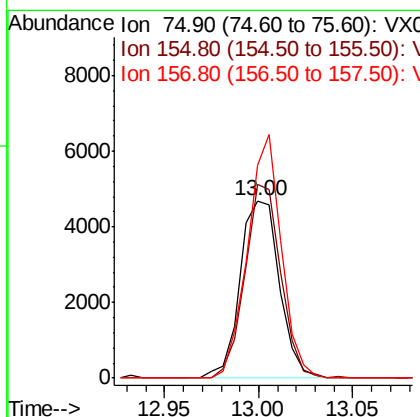
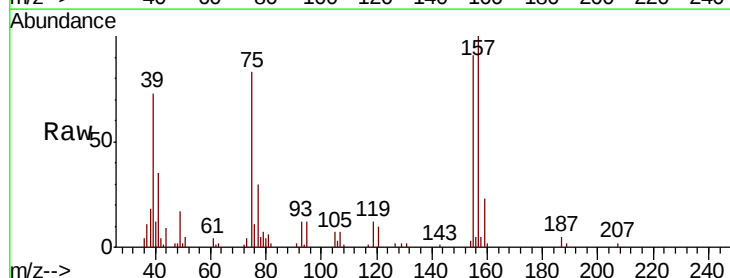
Manual Integrations
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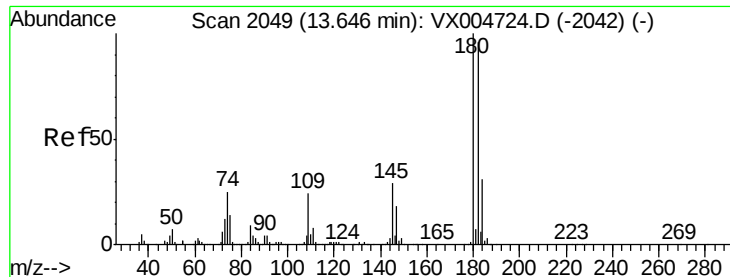
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.741 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	48.0	144.2
157	117.3	61.4	184.1





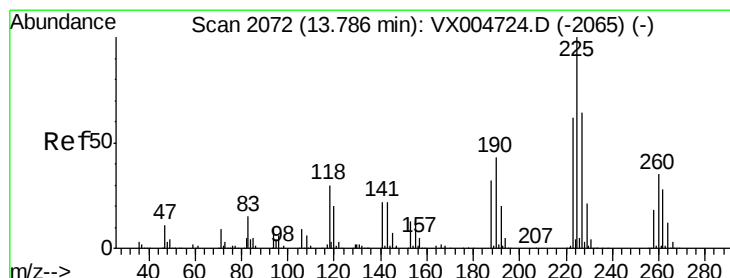
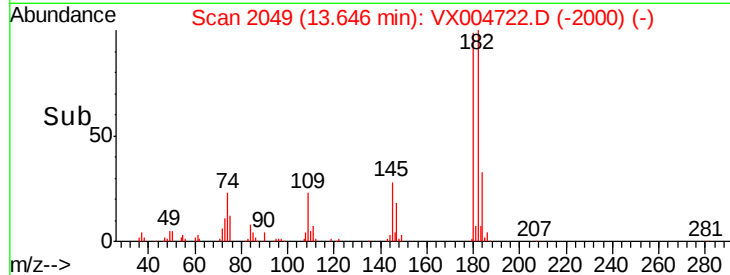
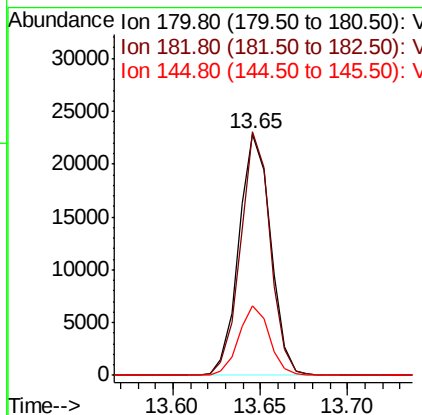
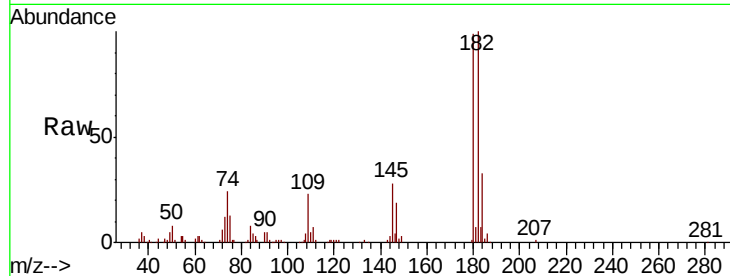
#93
 1,2,4-Trichlorobenzene
 Concen: 4.312 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	48.4	145.0	
145	28.1	14.3	42.9	

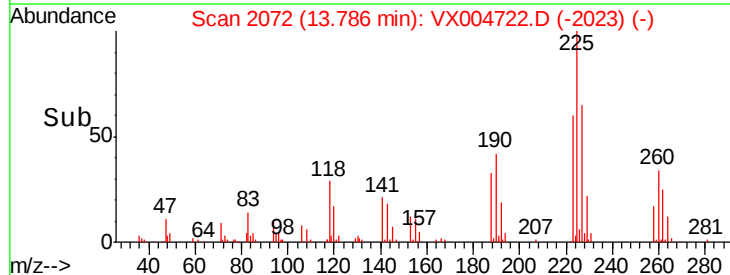
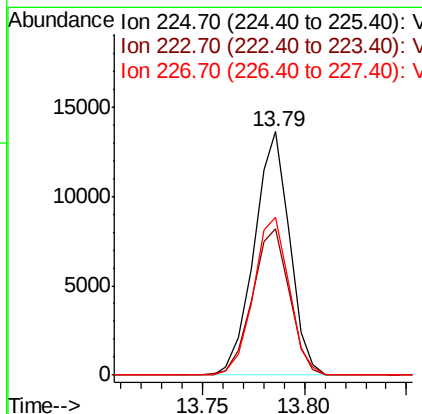
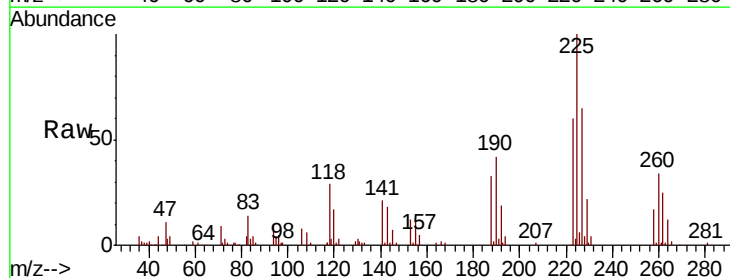
Manual Integrations
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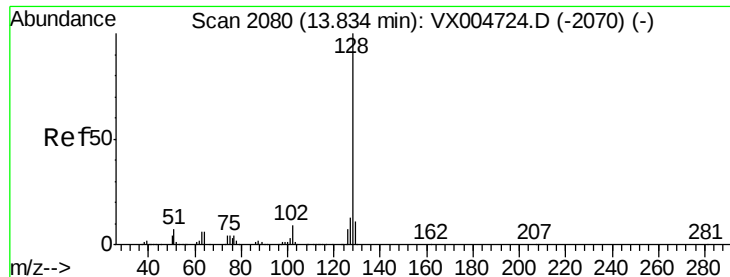
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#94
 Hexachlorobutadiene
 Concen: 5.142 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004722.D
 Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	30.1	90.5	
227	65.4	30.8	92.4	





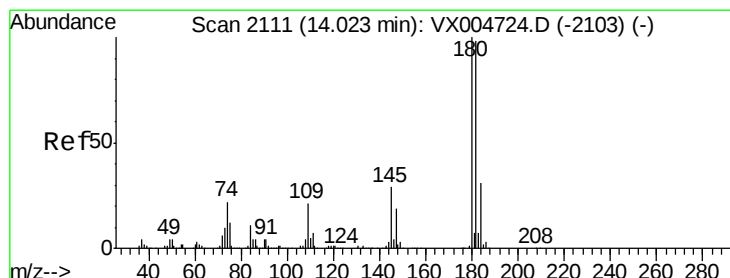
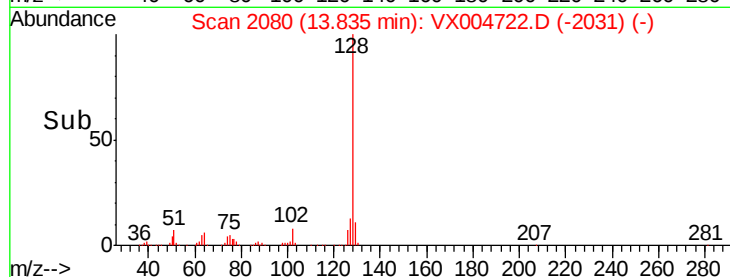
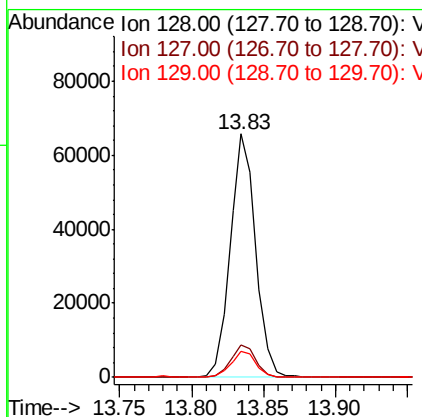
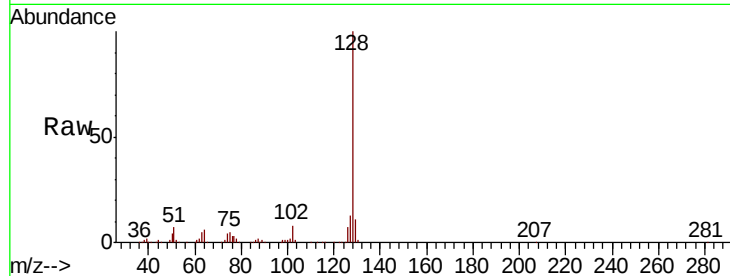
#95
Naphthalene
Concen: 3.782 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.566 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004722.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.5	145.6
145	29.9	14.9	44.9

