

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042319\
 Data File : VX009129.D
 Acq On : 23 Apr 2019 18:24
 Operator : JC/SP
 Sample : K2535-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:03:04 PM

Quant Time: Apr 24 09:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	301856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	262499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	136046	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	5.50	113	100630	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	8.71	98	391198	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	137848	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	118752	56.898	ug/l	100
3) Chloromethane	1.32	50	134757	52.592	ug/l	99
4) Vinyl Chloride	1.41	62	135625	54.383	ug/l	100
5) Bromomethane	1.64	94	230743	140.229	ug/l	97
6) Chloroethane	1.71	64	80332	54.778	ug/l	96
7) Trichlorofluoromethane	1.92	101	161973	55.628	ug/l	98
8) Diethyl Ether	2.19	74	72955	54.787	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	102472	55.043	ug/l	99
10) Methyl Iodide	2.51	142	121313	58.751	ug/l	100
11) Tert butyl alcohol	3.06	59	160573	283.275	ug/l	99
12) 1,1-Dichloroethene	2.37	96	105292	54.185	ug/l	99
13) Acrolein	2.29	56	114037	232.835	ug/l	99
14) Allyl chloride	2.73	41	244057	57.568	ug/l	100
15) Acrylonitrile	3.15	53	418361	290.745	ug/l	100
16) Acetone	2.45	43	358334	270.589	ug/l	98
17) Carbon Disulfide	2.57	76	308057	53.850	ug/l	100
18) Methyl Acetate	2.78	43	177752	53.782	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	390543	56.406	ug/l	99
20) Methylene Chloride	2.85	84	120413	53.170	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	111848	53.964	ug/l	96
22) Diisopropyl ether	3.86	45	473569	57.486	ug/l	89
23) Vinyl Acetate	3.82	43	1980813	273.536	ug/l	99
24) 1,1-Dichloroethane	3.70	63	232302	56.175	ug/l	100
25) 2-Butanone	4.68	43	618467	292.176	ug/l	99
26) 2,2-Dichloropropane	4.59	77	153123	49.398	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	128986	54.813	ug/l	99
28) Bromochloromethane	5.02	49	95803	56.007	ug/l	98
29) Tetrahydrofuran	5.13	42	415076	292.970	ug/l	99
30) Chloroform	5.21	83	209296	56.559	ug/l	100
31) Cyclohexane	5.58	56	230043	56.559	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	174362	56.851	ug/l	99
36) 1,1-Dichloropropene	5.80	75	163887	52.497	ug/l	99
37) Ethyl Acetate	4.84	43	216371	53.862	ug/l	100
38) Carbon Tetrachloride	5.79	117	145808	55.093	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212736	55.969	ug/l	97
40) Benzene	6.14	78	500522	54.348	ug/l	99
41) Methacrylonitrile	5.04	41	131270	56.937	ug/l	98
42) 1,2-Dichloroethane	6.19	62	178535	54.725	ug/l	99
43) Isopropyl Acetate	6.45	43	350868	54.200	ug/l	100
44) Trichloroethene	7.21	130	116446	51.604	ug/l	99
45) 1,2-Dichloropropane	7.51	63	142088	55.612	ug/l	99
46) Dibromomethane	7.66	93	80888	54.399	ug/l	99
47) Bromodichloromethane	7.90	83	162967	55.879	ug/l	98
48) Methyl methacrylate	7.77	41	183276	57.298	ug/l	99
49) 1,4-Dioxane	7.74	88	58962	984.852	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1178074	285.652	ug/l	99
52) Toluene	8.79	92	292374	52.971	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	185264	55.197	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	204661	54.456	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	120565	55.114	ug/l	99
56) Ethyl methacrylate	9.18	69	217995	55.576	ug/l	99
57) 1,3-Dichloropropane	9.37	76	214011	54.946	ug/l	100
59) 2-Hexanone	9.49	43	889679	279.805	ug/l	99
60) Dibromochloromethane	9.58	129	120499	57.474	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123267	54.598	ug/l	99
64) Tetrachloroethene	9.34	164	99264	49.778	ug/l	98
65) Chlorobenzene	10.14	112	294866	53.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	109359	56.027	ug/l	99
67) Ethyl Benzene	10.25	91	555735	54.868	ug/l	99
68) m/p-Xylenes	10.36	106	398419	108.238	ug/l	99
69) o-Xylene	10.70	106	191780	53.545	ug/l	98
70) Styrene	10.71	104	336868	54.275	ug/l	99
71) Bromoform	10.85	173	87387	56.196	ug/l #	98
73) Isopropylbenzene	11.02	105	515620	54.819	ug/l	100
74) N-amyl acetate	10.90	43	287430	53.221	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	191541	55.734	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	164358m	54.243	ug/l	
77) Bromobenzene	11.26	156	124271	52.365	ug/l	99
78) n-propylbenzene	11.36	91	602282	55.788	ug/l	100
79) 2-Chlorotoluene	11.42	91	350459	53.871	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	433605	54.935	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	63163	53.517	ug/l	97
82) 4-Chlorotoluene	11.51	91	406276	53.773	ug/l	100
83) tert-Butylbenzene	11.77	119	427810	56.454	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	440489	54.825	ug/l	99
85) sec-Butylbenzene	11.94	105	495328	54.805	ug/l	99
86) p-Isopropyltoluene	12.06	119	453346	54.558	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	219804	52.919	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	218787	51.962	ug/l	100
89) n-Butylbenzene	12.38	91	419838	54.253	ug/l	100
90) Hexachloroethane	12.60	117	76837	56.058	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	218429	53.255	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43739	55.898	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	154442	52.163	ug/l	99

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QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	78341	53.052	ug/l	99
95) Naphthalene	13.83	128	521735	55.002	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	156093	53.433	ug/l	100

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

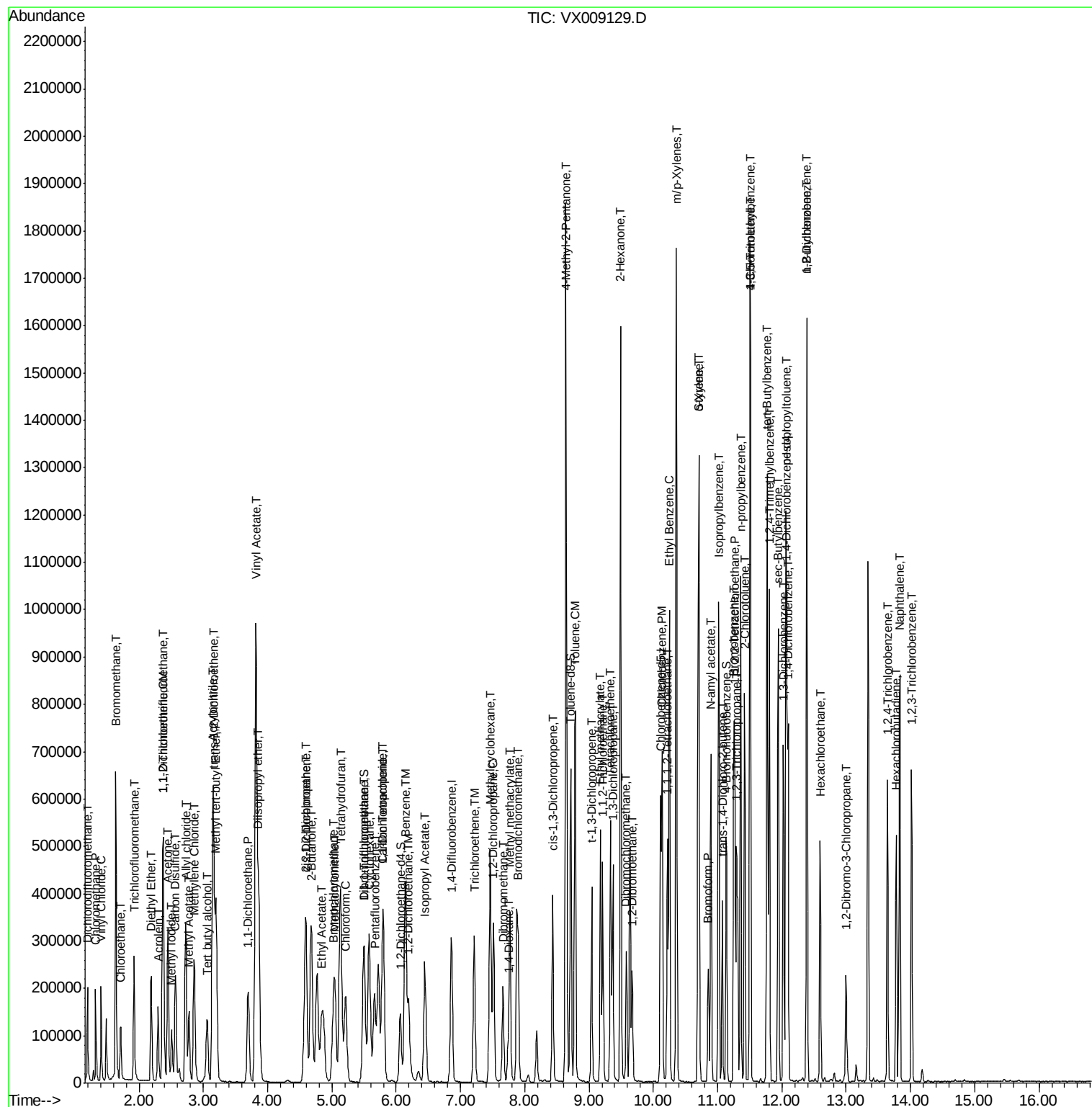
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 Data File : VX009129.D
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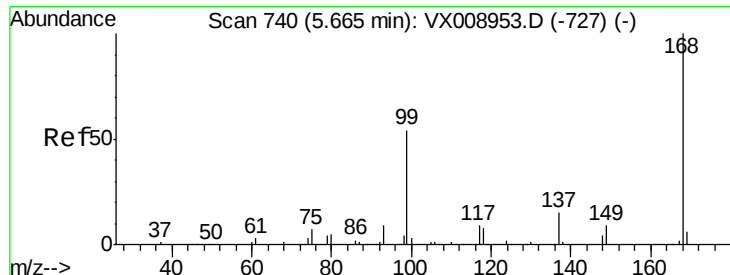
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion:168 Resp: 181203

Ion Ratio Lower Upper

168 100

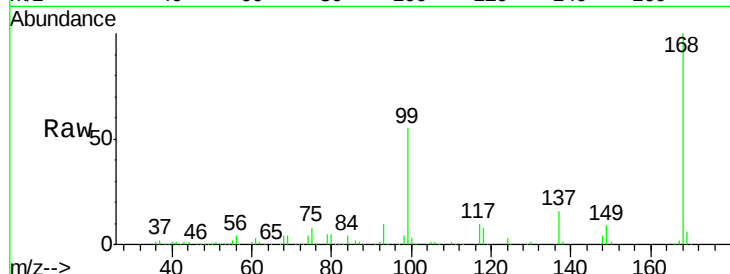
99 54.4 43.0 64.6

Manual Integrations

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4/24/2019 12:03:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

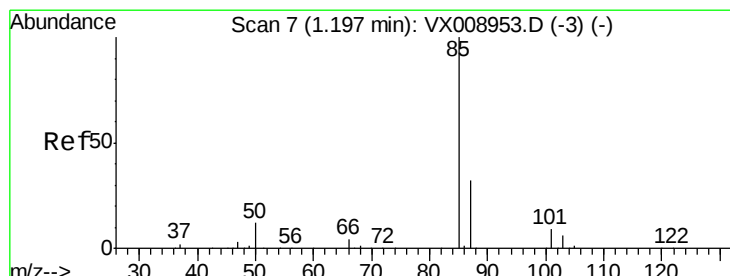
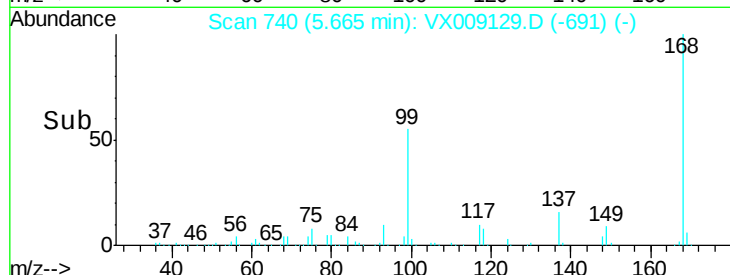
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.898 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009129.D

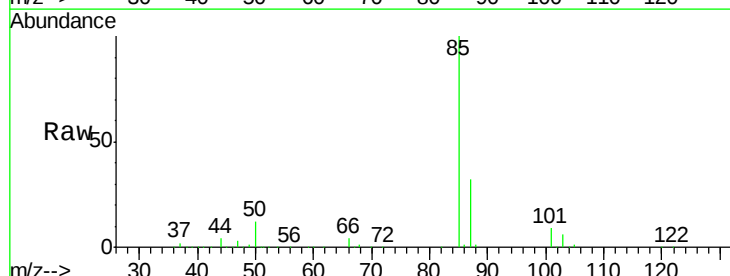
Acq: 23 Apr 2019 18:24

Tgt Ion: 85 Resp: 118752

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

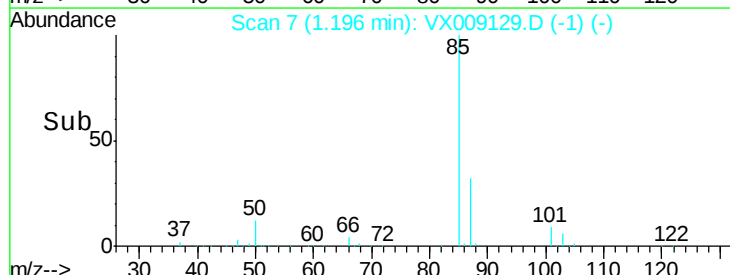
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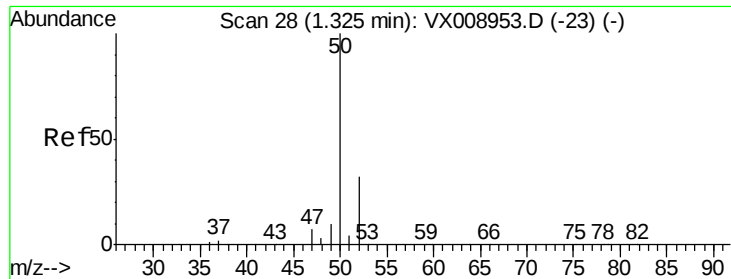
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20000

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Time-->





#3

Chloromethane

Concen: 52.592 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 50 Resp: 134757

Ion Ratio Lower Upper

50 100

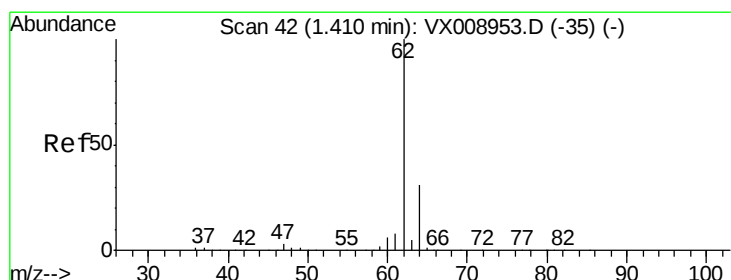
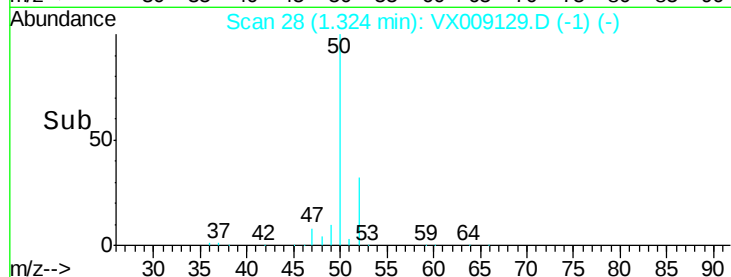
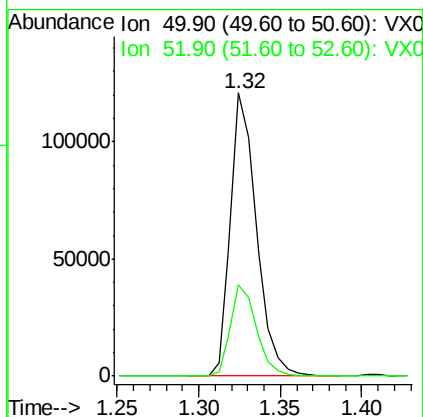
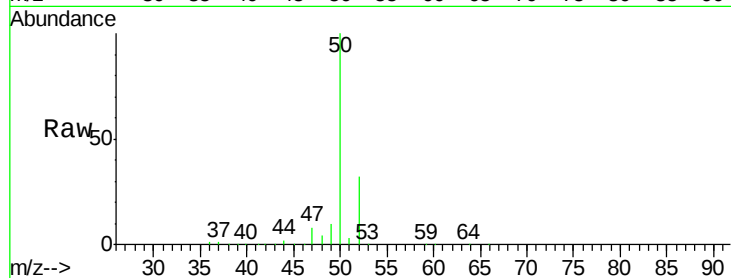
52 32.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.383 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009129.D

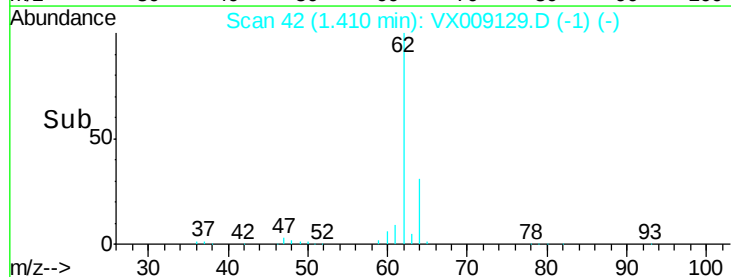
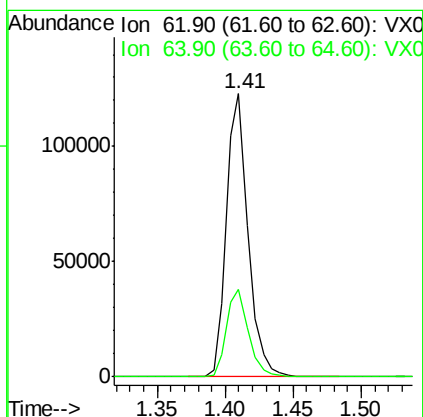
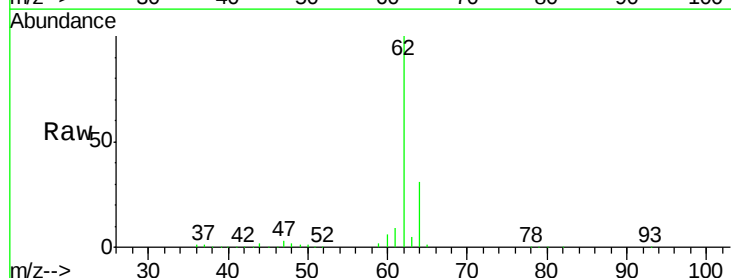
Acq: 23 Apr 2019 18:24

Tgt Ion: 62 Resp: 135625

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4





#5

Bromomethane

Concen: 140.229 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 94 Resp: 230743

Ion Ratio Lower Upper

94 100

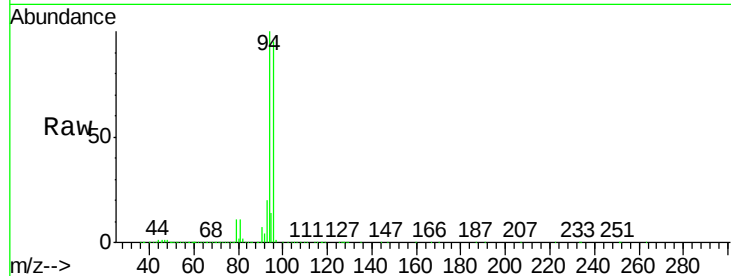
96 94.9 73.9 110.9

Manual Integrations

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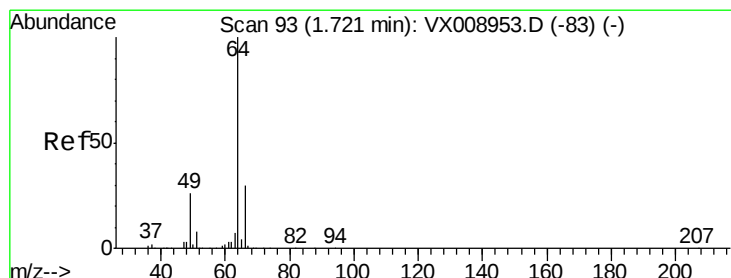
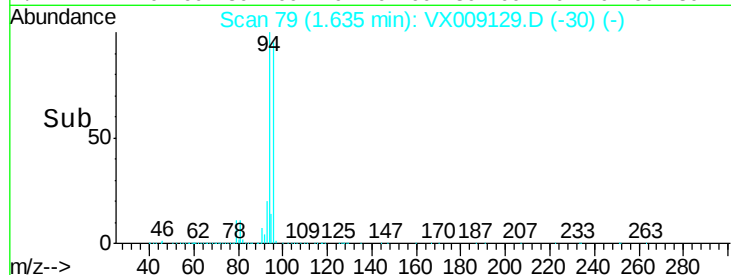
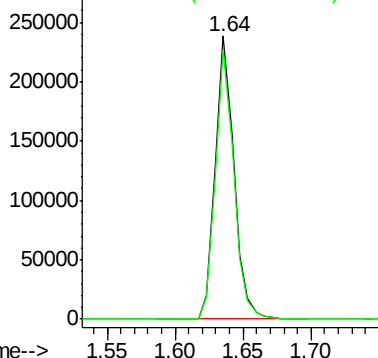
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.778 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009129.D

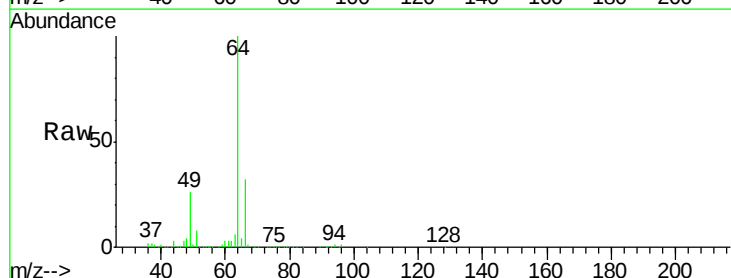
Acq: 23 Apr 2019 18:24

Tgt Ion: 64 Resp: 80332

Ion Ratio Lower Upper

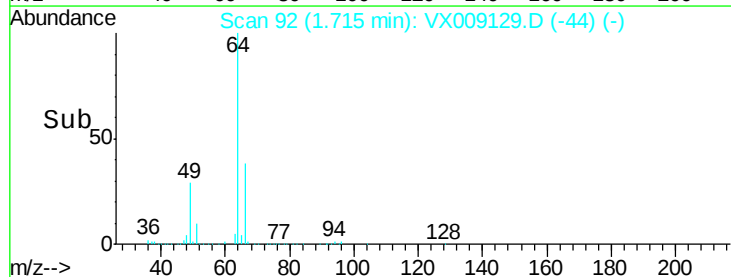
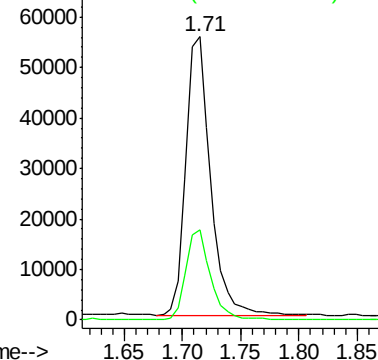
64 100

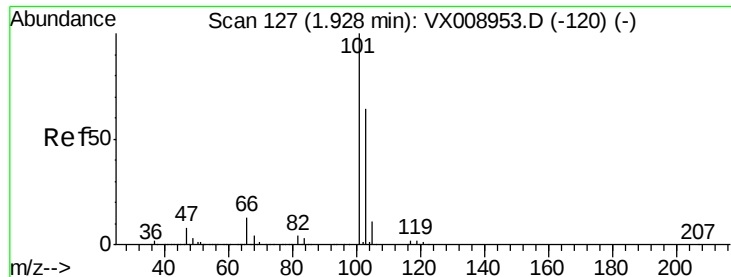
66 32.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

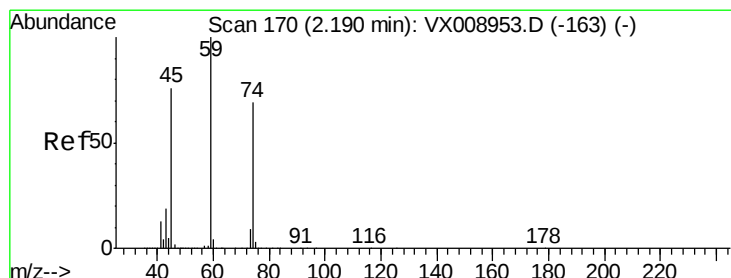
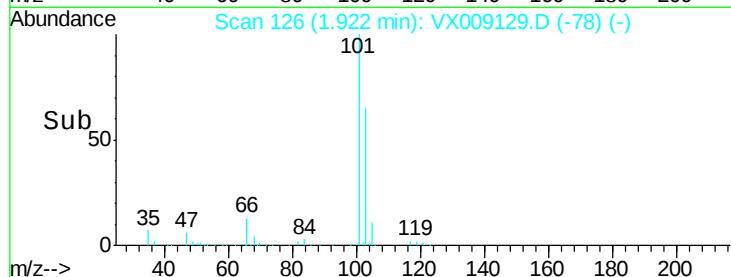
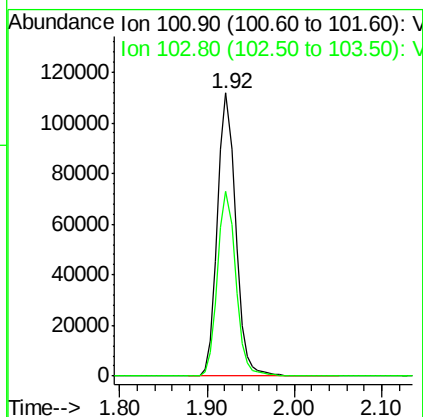
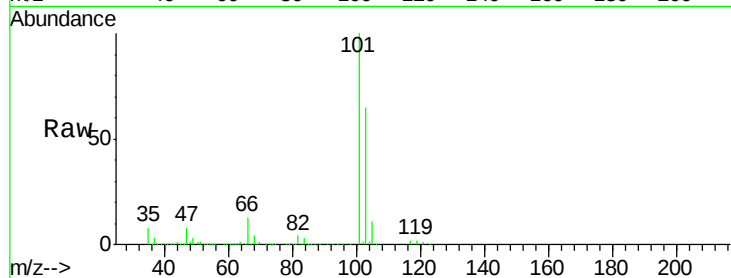
Trichlorofluoromethane
Concen: 55.628 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
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ClientSampleId :
S37-0016MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		161973		
103	65.4	51.0	76.6		

Manual Integrations
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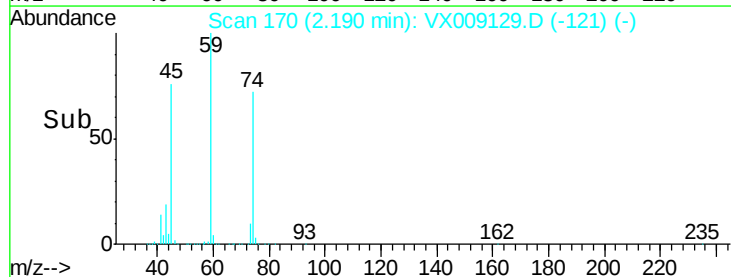
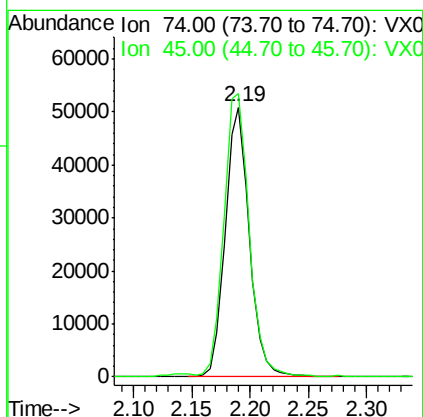
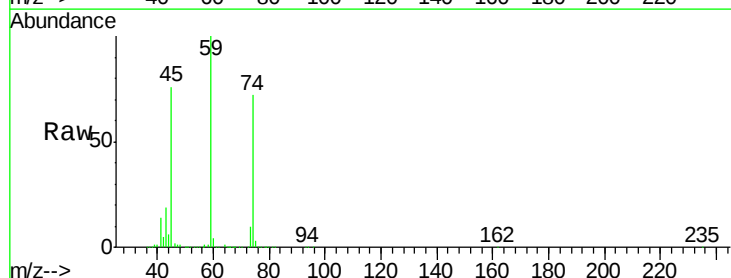
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4/24/2019 12:03:04 PM

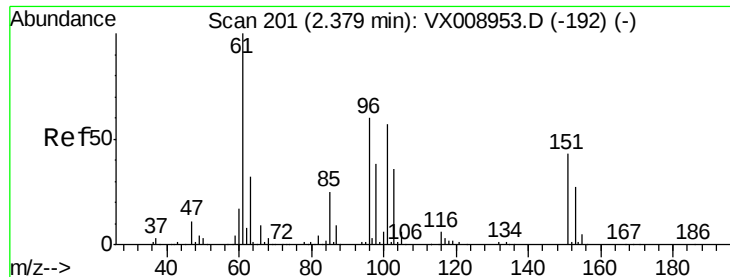


#8

Diethyl Ether
Concen: 54.787 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		72955		
45	109.6	54.9	164.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.043 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

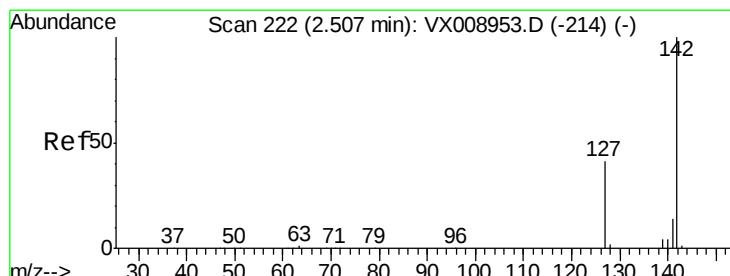
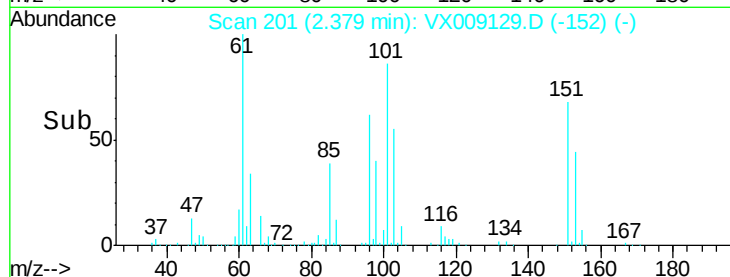
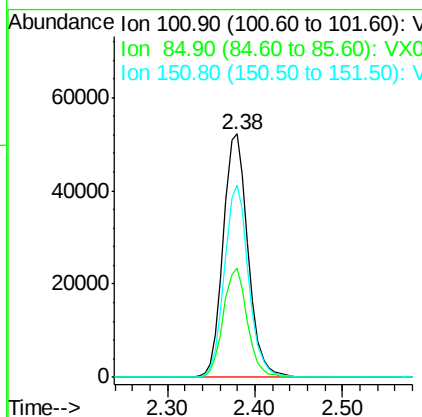
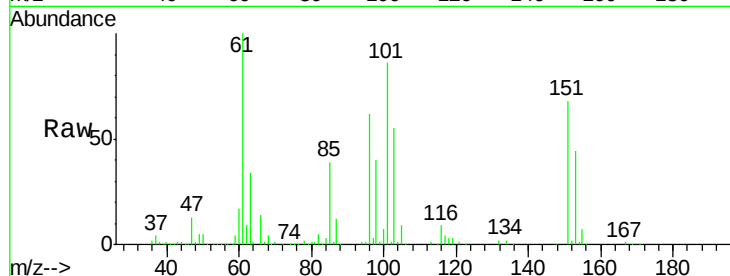
ClientSampleId :

S37-0016MSD

Tot Ion:	101	Resp:	102472
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.7	53.5
151	77.4	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 58.751 ug/l

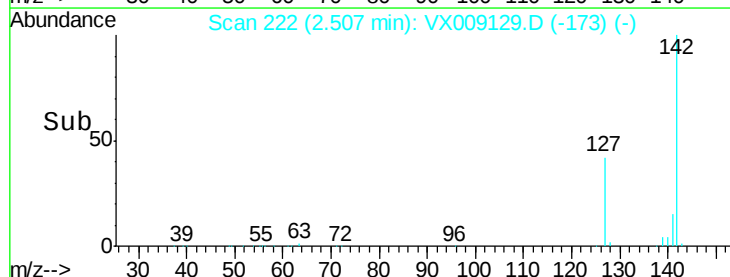
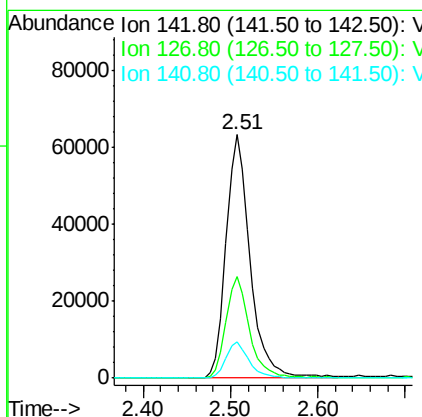
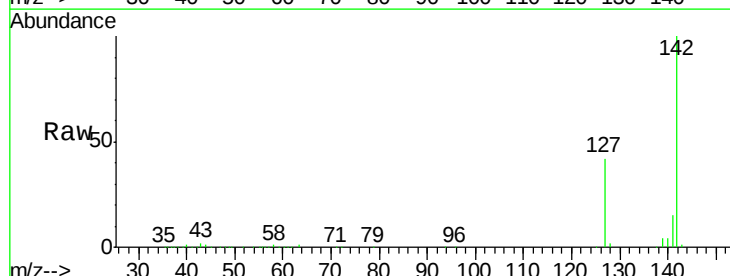
RT: 2.51 min Scan# 222

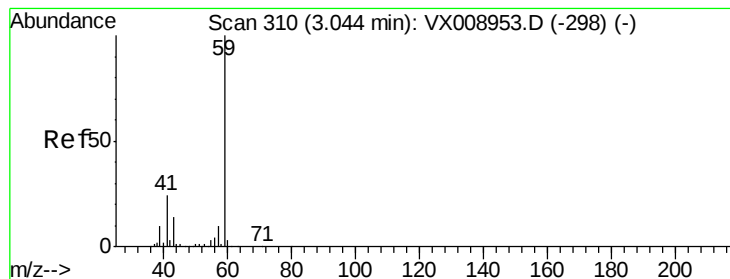
Delta R.T. 0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	142	Resp:	121313
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.8	49.2
141	14.3	11.4	17.2





#11

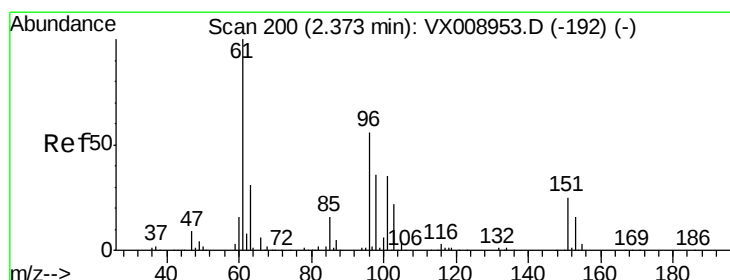
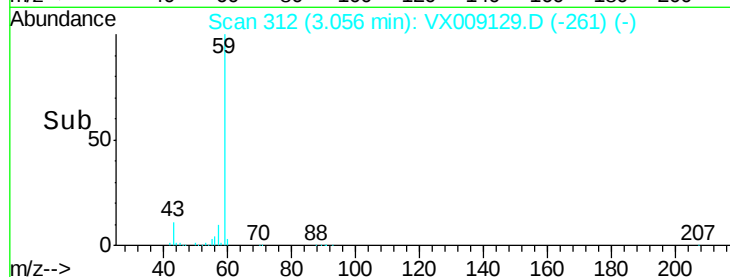
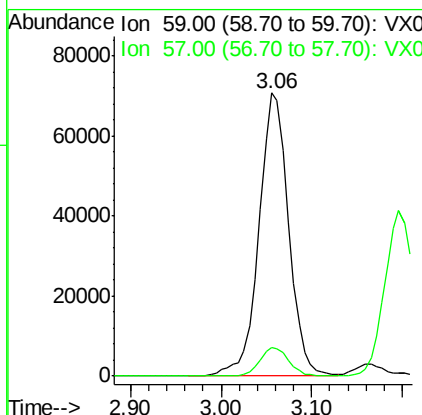
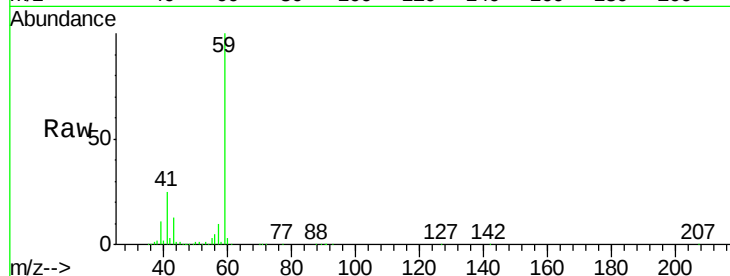
Tert butyl alcohol
Concen: 283.275 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion: 59 Resp: 160573
Ion Ratio Lower Upper
59 100
57 10.0 8.4 12.6

Manual Integrations
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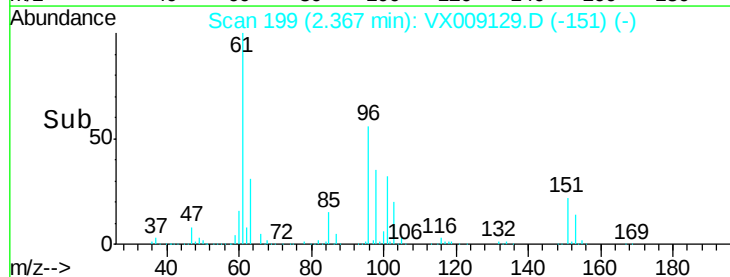
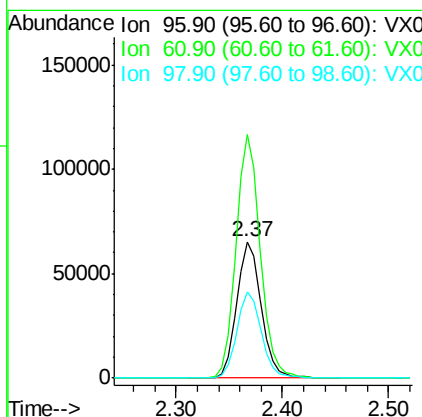
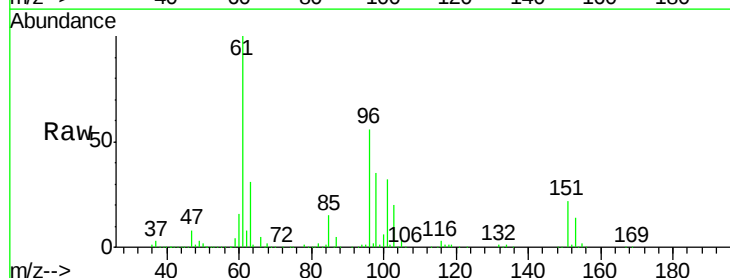
MMDadoda
4/24/2019 12:03:04 PM

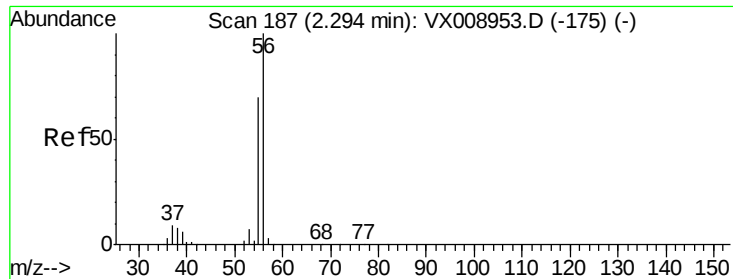


#12

1,1-Dichloroethene
Concen: 54.185 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion: 96 Resp: 105292
Ion Ratio Lower Upper
96 100
61 178.6 142.2 213.2
98 63.1 50.9 76.3





#13

Acrolein

Concen: 232.835 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 56 Resp: 114037

Ion Ratio Lower Upper

56 100

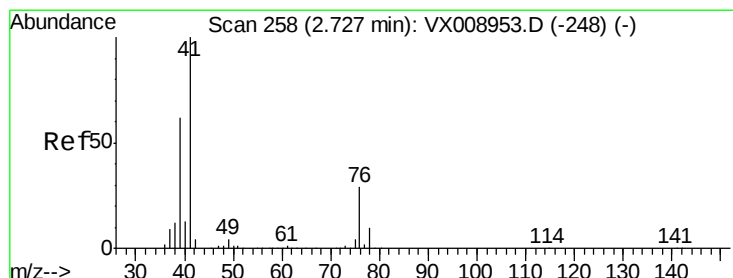
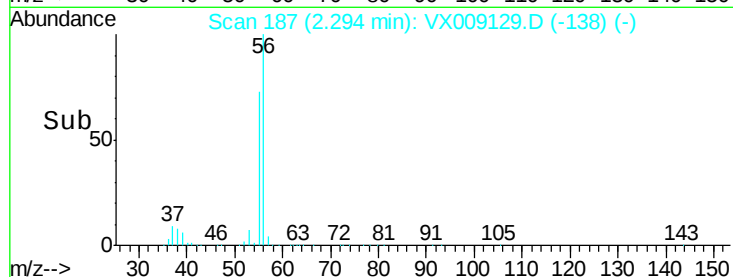
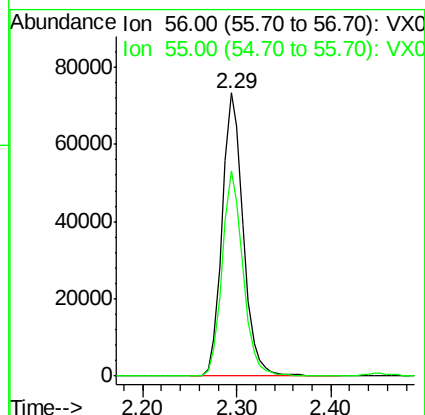
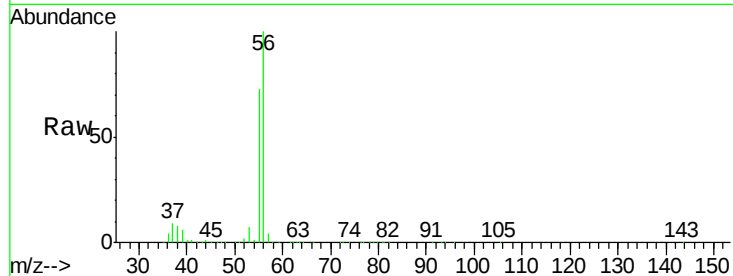
55 71.2 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 57.568 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

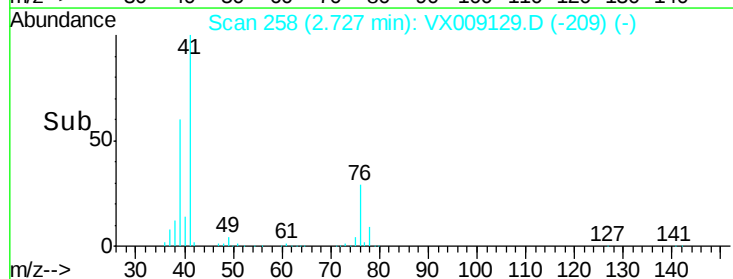
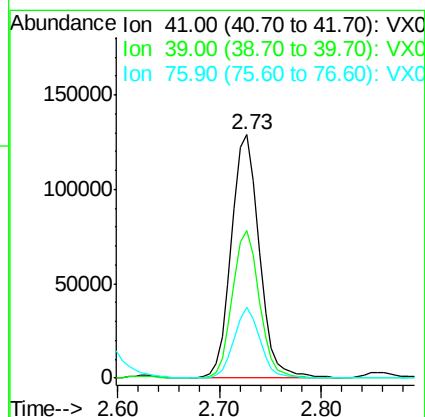
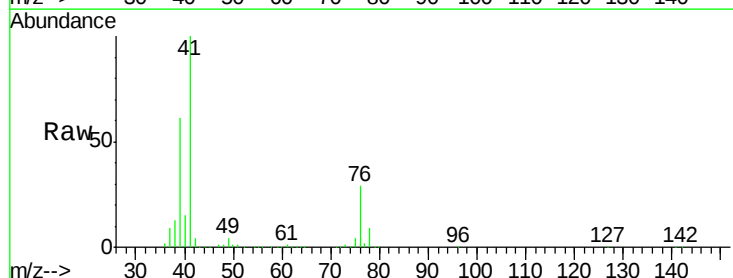
Tgt Ion: 41 Resp: 244057

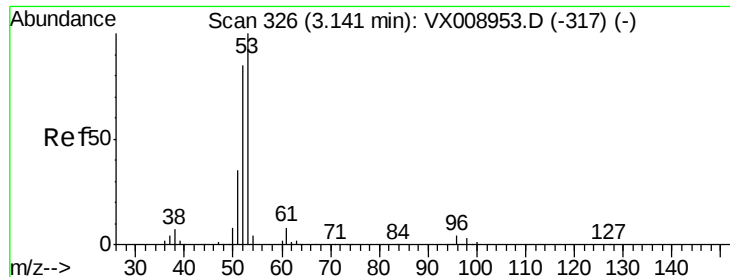
Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

76 27.0 22.0 33.0





#15

Acrylonitrile

Concen: 290.745 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

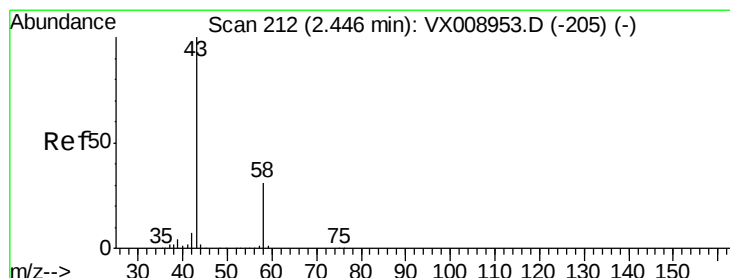
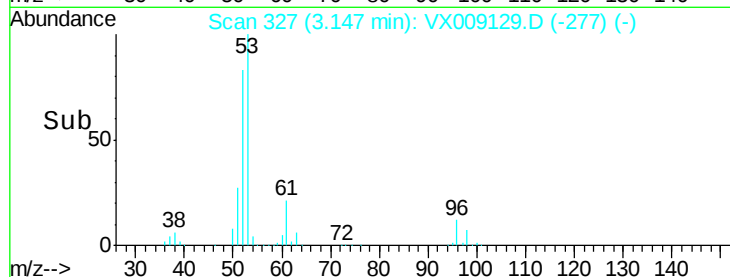
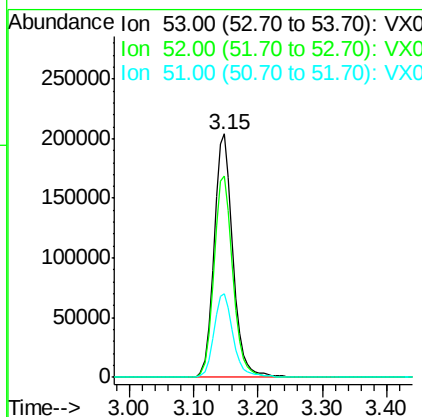
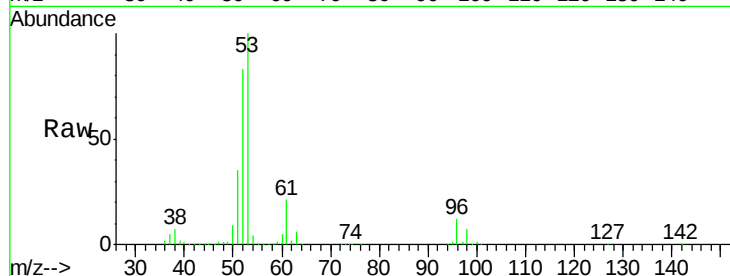
ClientSampleId :

S37-0016MSD

Tot Ion:	53	Resp:	418361
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	35.2	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 270.589 ug/l

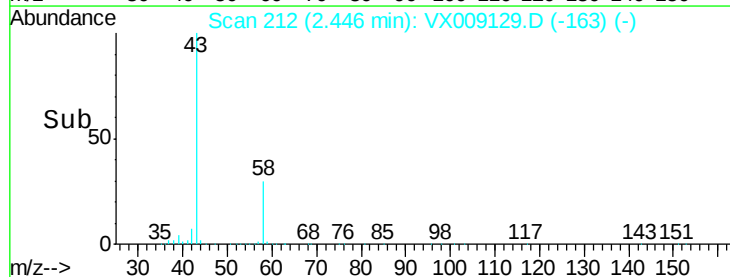
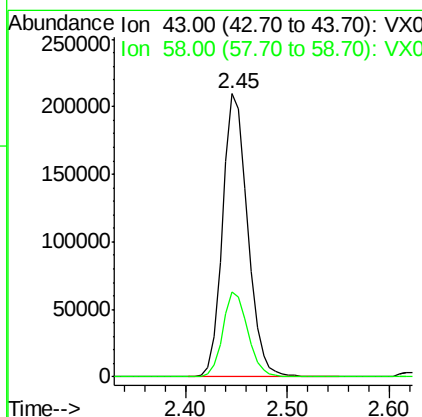
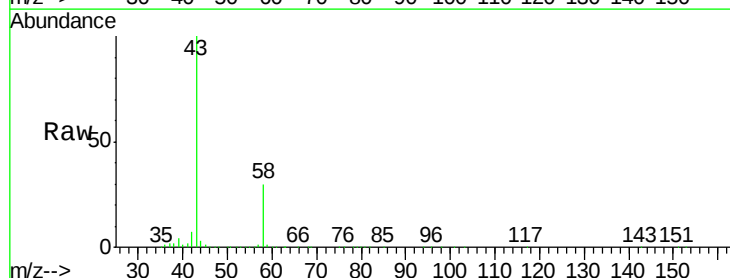
RT: 2.45 min Scan# 212

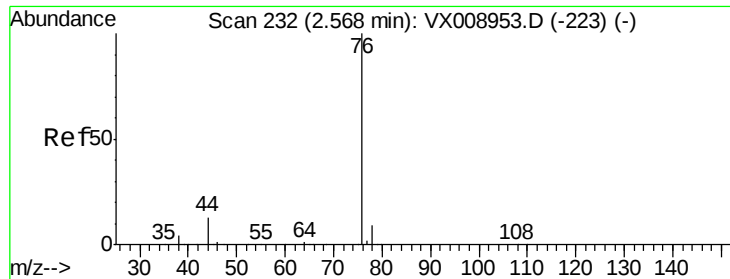
Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	43	Resp:	358334
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.8	37.2





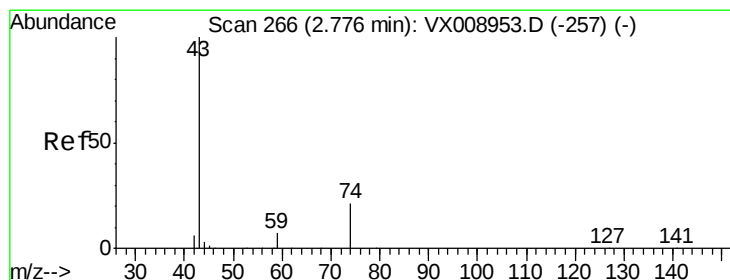
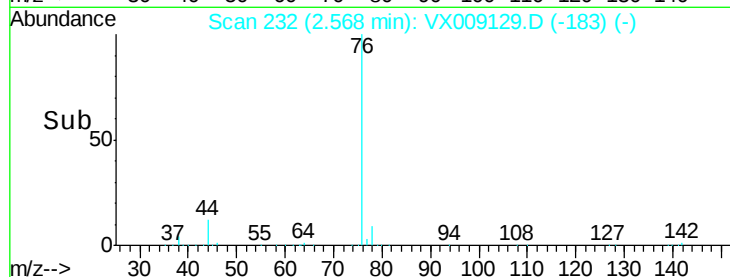
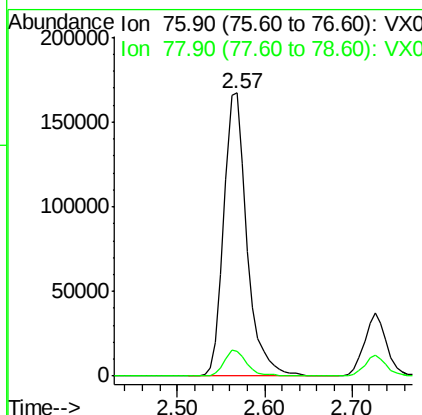
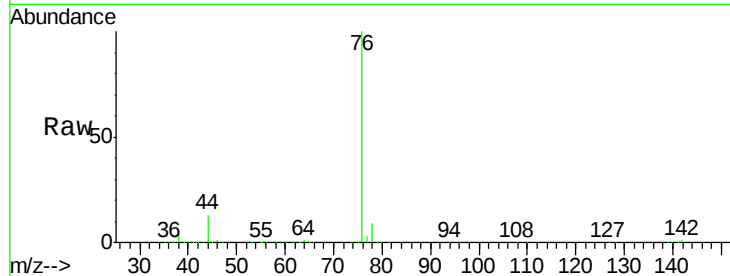
#17
Carbon Disulfide
Concen: 53.850 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.0	7.2	10.8	

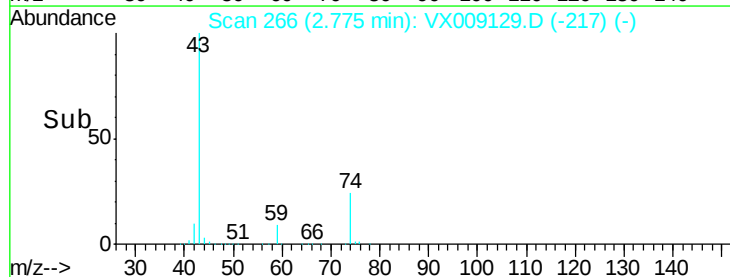
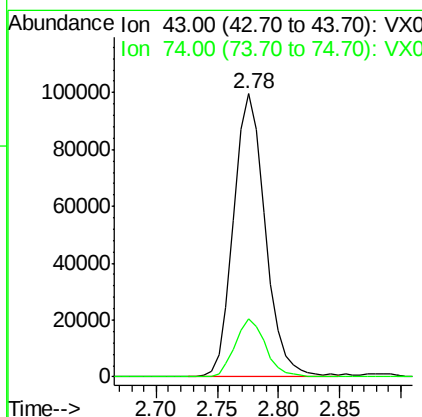
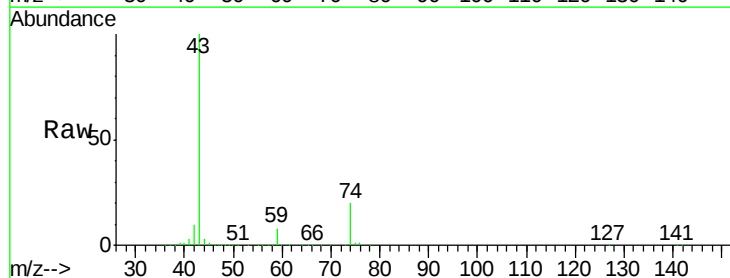
Manual Integrations
APPROVED

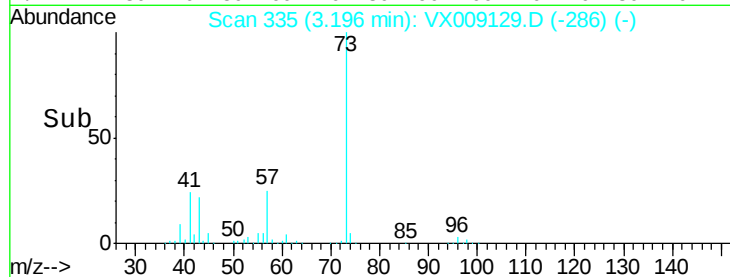
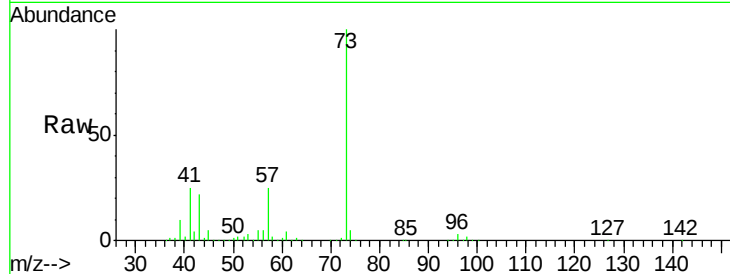
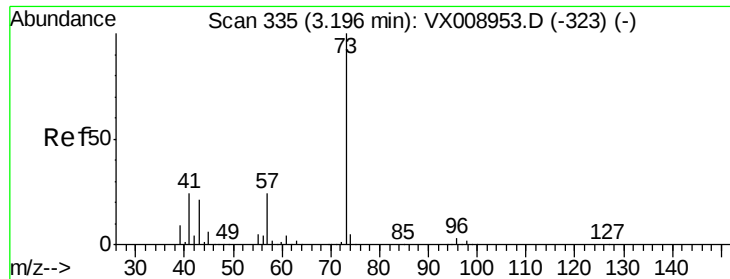
MMDadoda
4/24/2019 12:03:04 PM



#18
Methyl Acetate
Concen: 53.782 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	19.7	16.6	25.0	





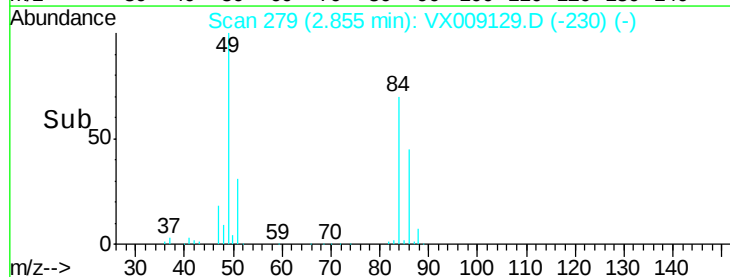
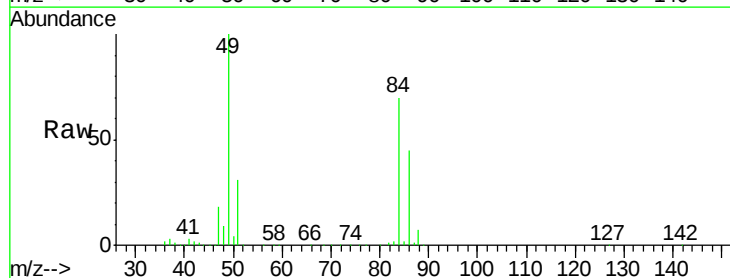
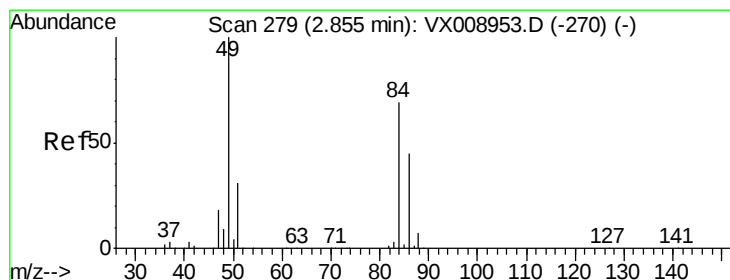
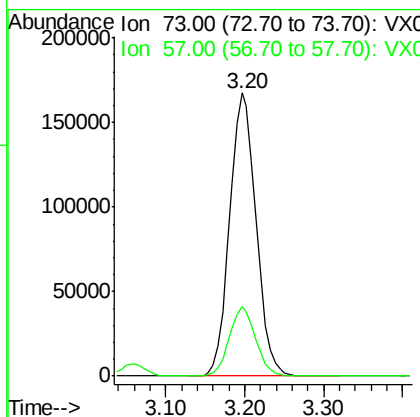
#19
Methvl tert-butvl Ether
Concen: 56.406 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tot Ion: 73 Resp: 390543
Ion Ratio Lower Upper
73 100
57 24.7 19.2 28.8

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

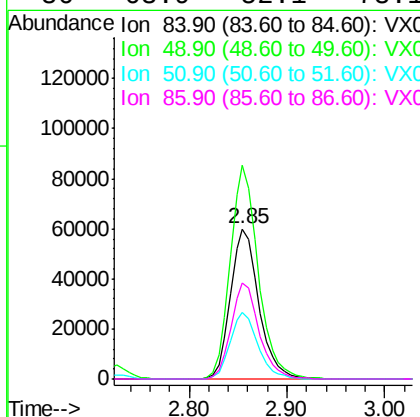
Manual Integrations
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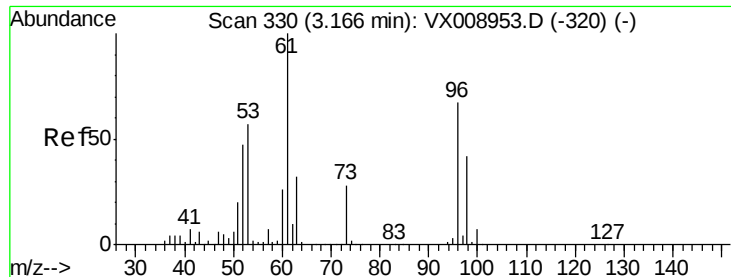
MMDadoda
4/24/2019 12:03:04 PM



#20
Methylene Chloride
Concen: 53.170 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion: 84 Resp: 120413
Ion Ratio Lower Upper
84 100
49 142.1 115.4 173.0
51 43.9 35.8 53.6
86 63.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 53.964 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

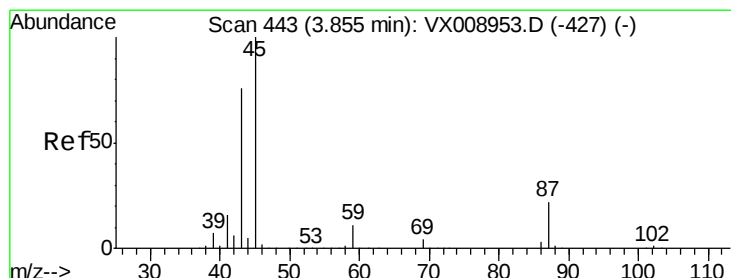
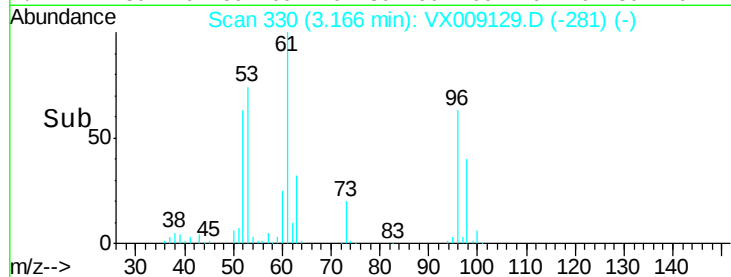
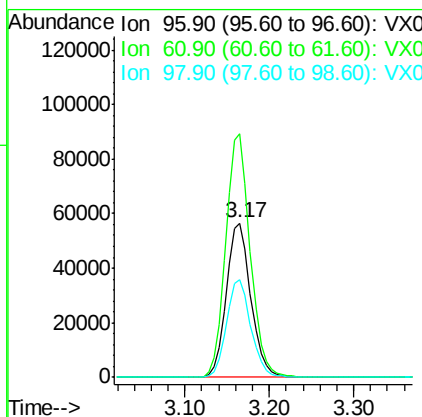
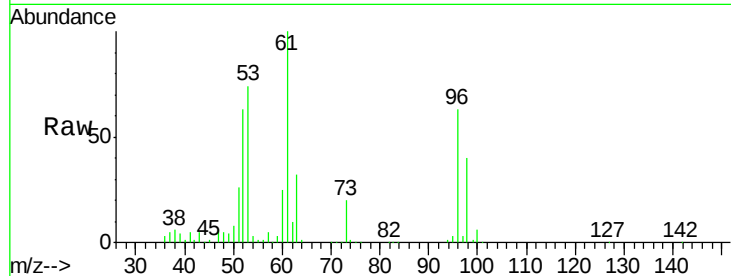
ClientSampleId :

S37-0016MSD

Tot Ion:	96	Resp:	111848
Ion	Ratio	Lower	Upper
96	100		
61	158.0	120.3	180.5
98	63.0	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 57.486 ug/l

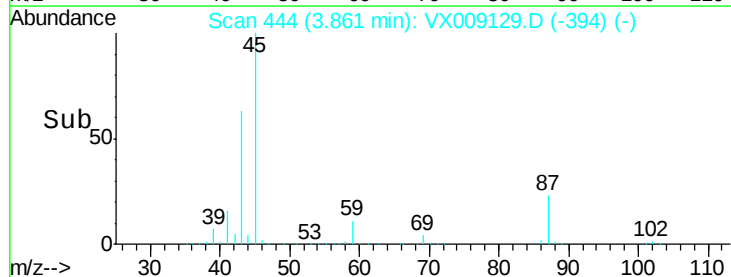
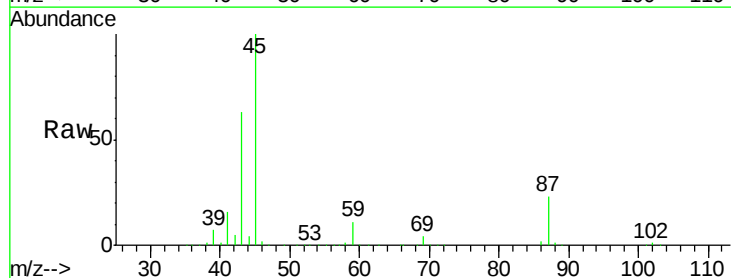
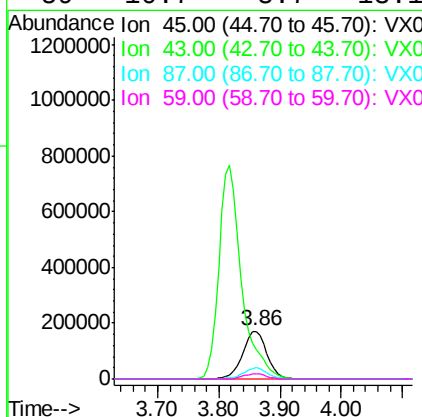
RT: 3.86 min Scan# 444

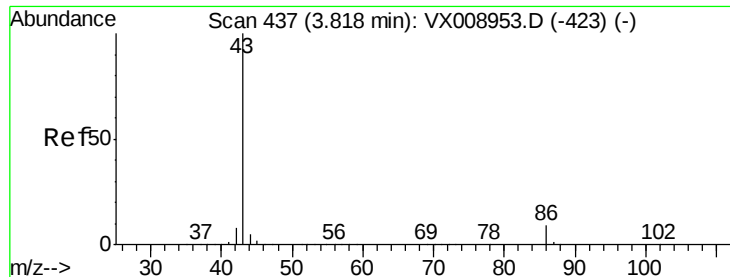
Delta R.T. 0.01 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	45	Resp:	473569
Ion	Ratio	Lower	Upper
45	100		
43	62.9	60.6	91.0
87	23.2	17.8	26.8
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 273.536 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 43 Resp: 1980813

Ion Ratio Lower Upper

43 100

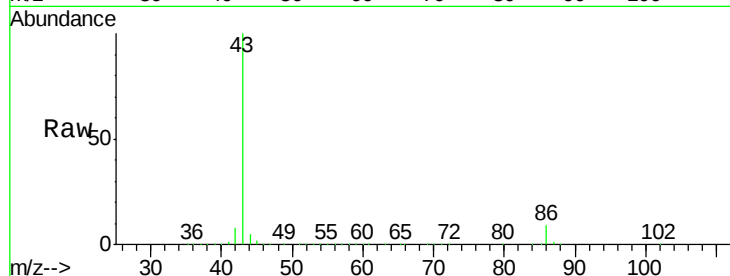
86 8.6 7.1 10.7

Manual Integrations

APPROVED

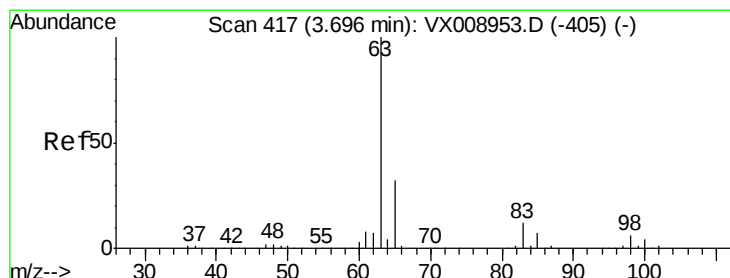
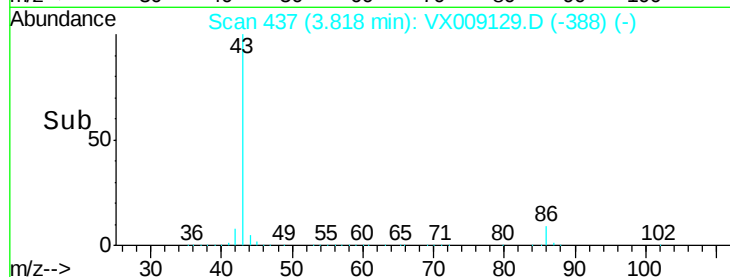
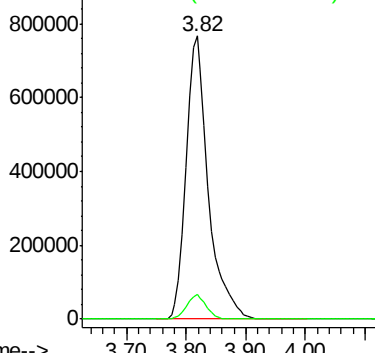
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 56.175 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

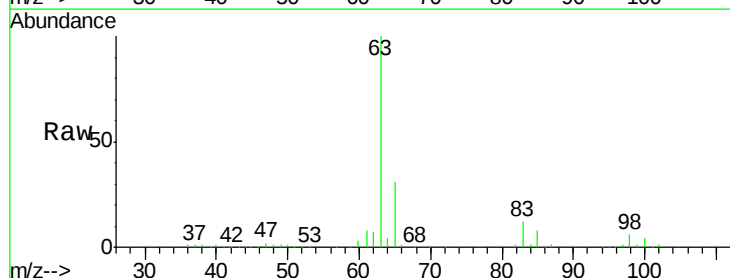
Tgt Ion: 63 Resp: 232302

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.3

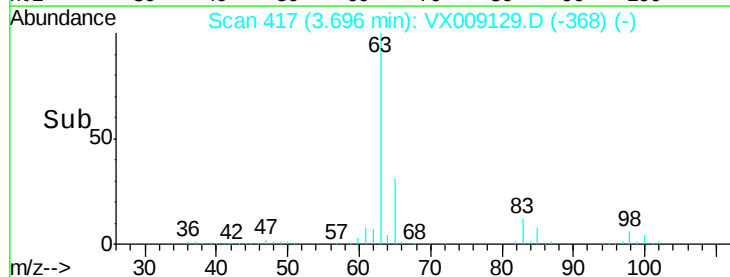
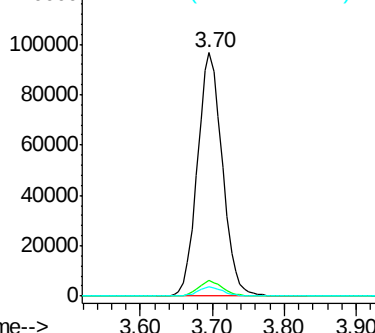
100 3.8 1.9 5.7

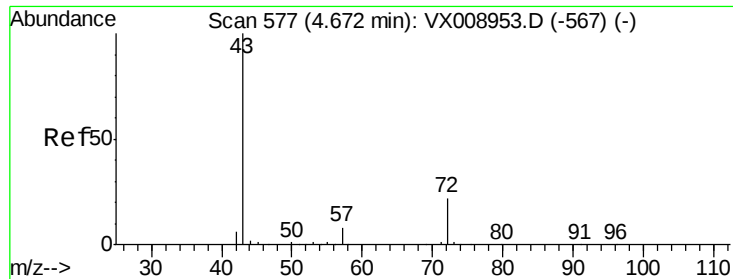


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 292.176 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 43 Resp: 618467

Ion Ratio Lower Upper

43 100

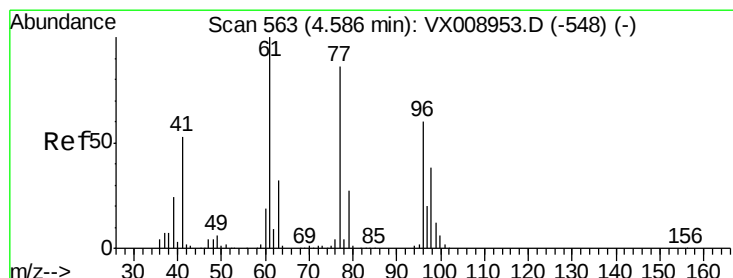
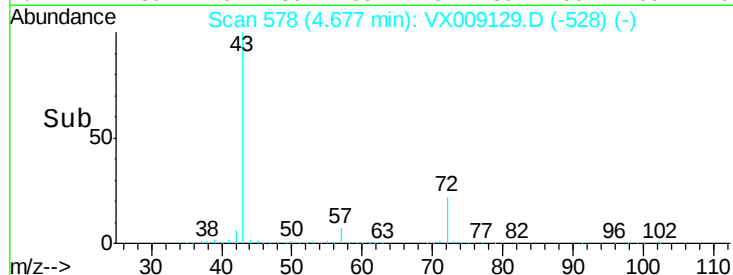
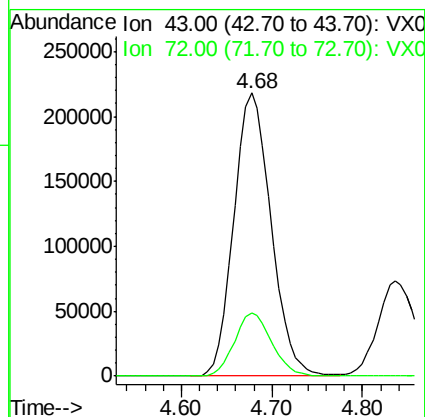
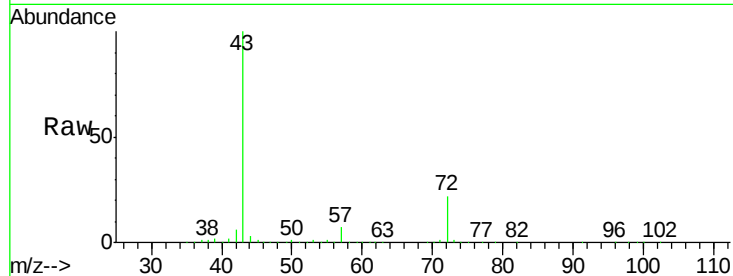
72 22.2 17.5 26.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.398 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009129.D

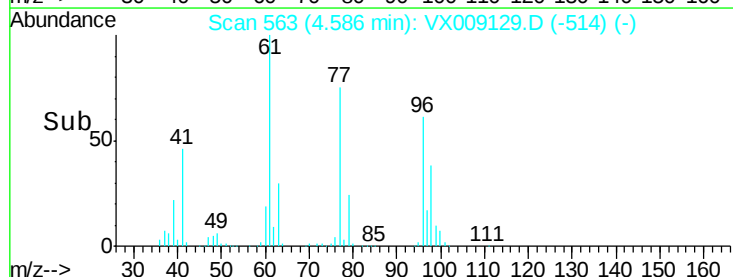
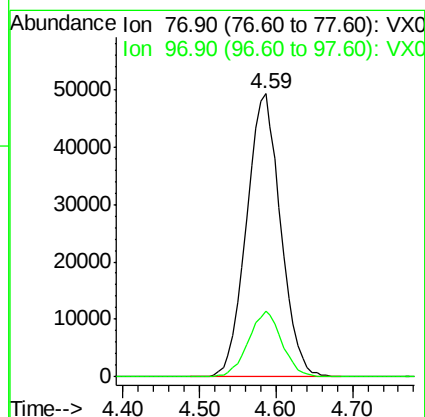
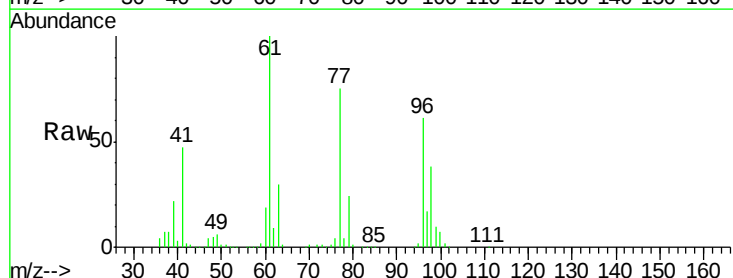
Acq: 23 Apr 2019 18:24

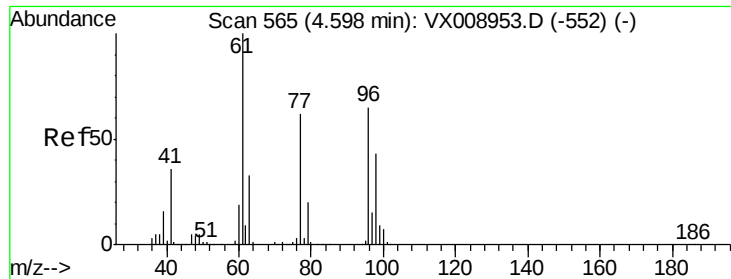
Tgt Ion: 77 Resp: 153123

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0





#27

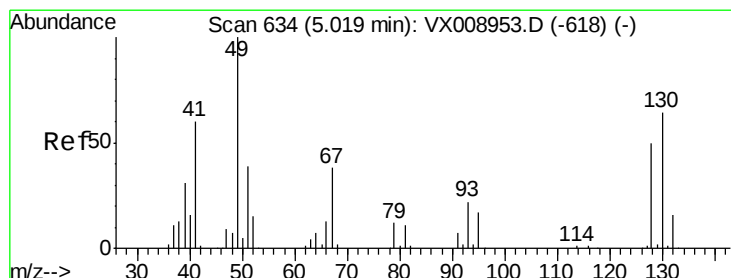
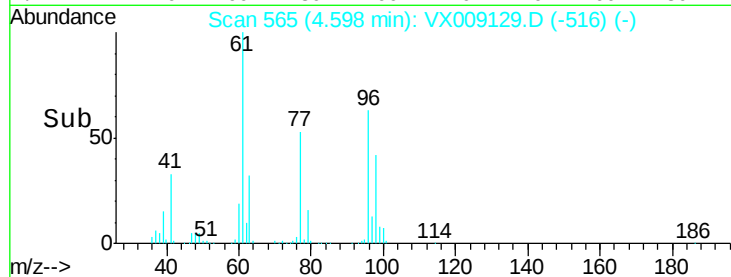
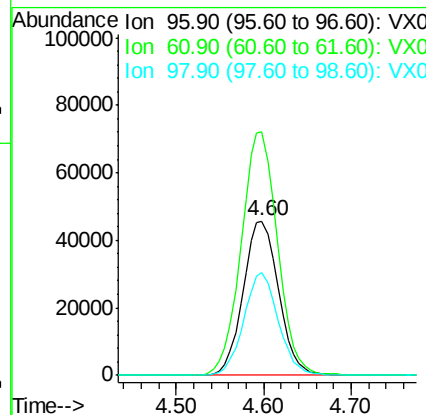
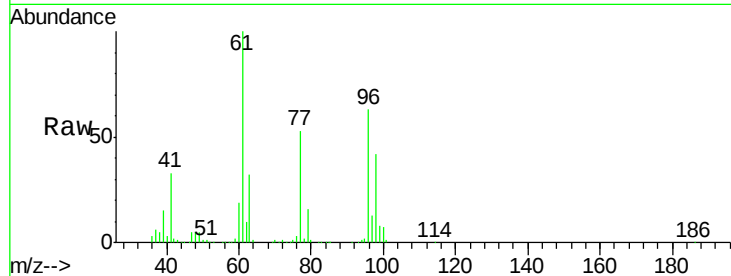
cis-1,2-Dichloroethene
Concen: 54.813 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.6	0.0	322.0	
98	65.0	0.0	128.4	

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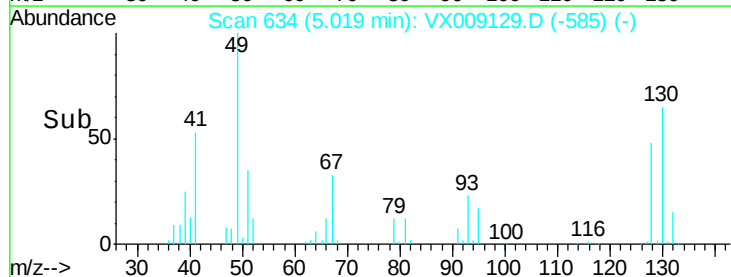
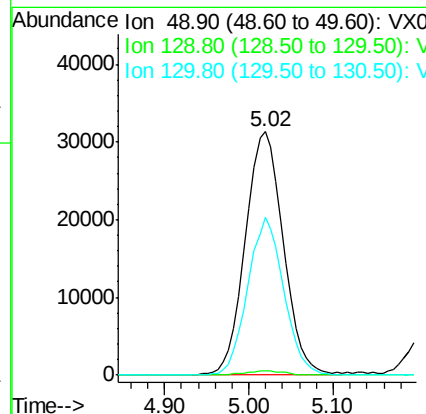
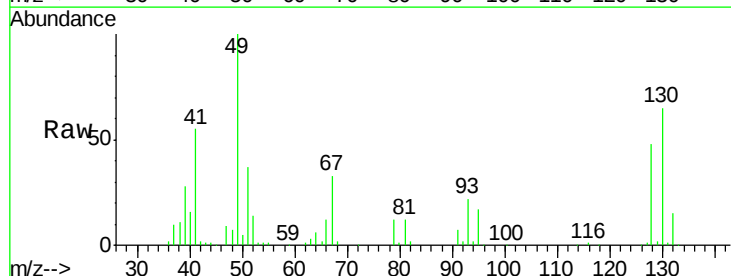
MMDadoda
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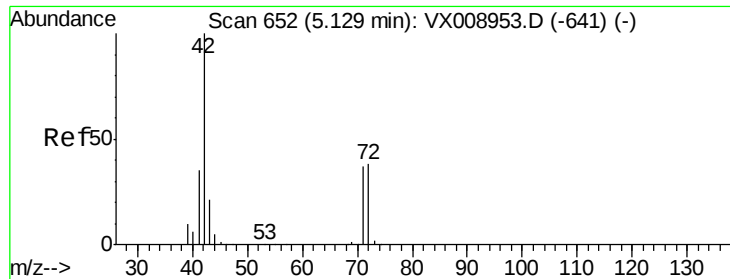


#28

Bromochloromethane
Concen: 56.007 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	61.5	50.4	75.6	





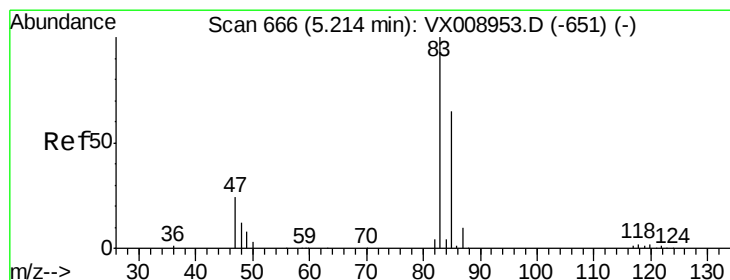
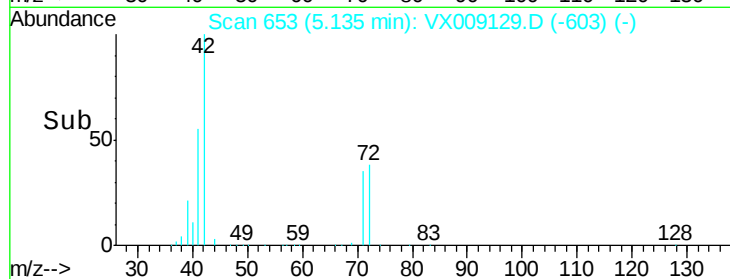
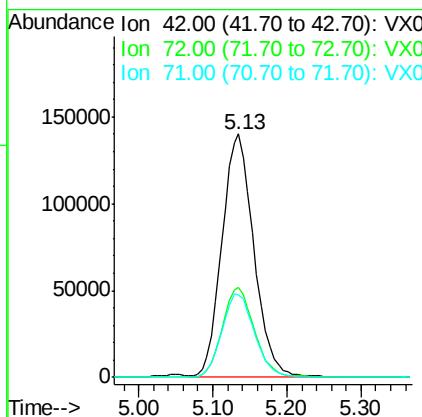
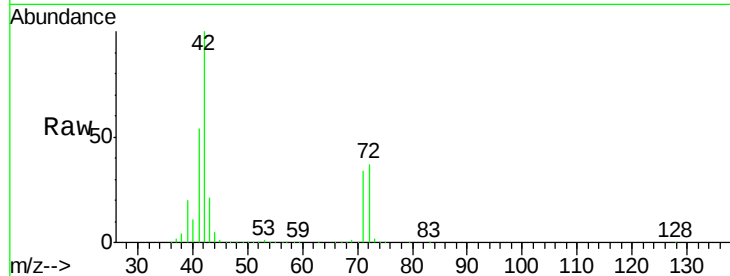
#29
Tetrahydrofuran
Concen: 292.970 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.6	45.8
71	35.5	28.8	43.2

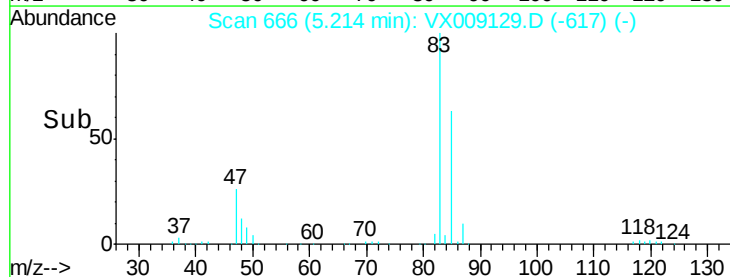
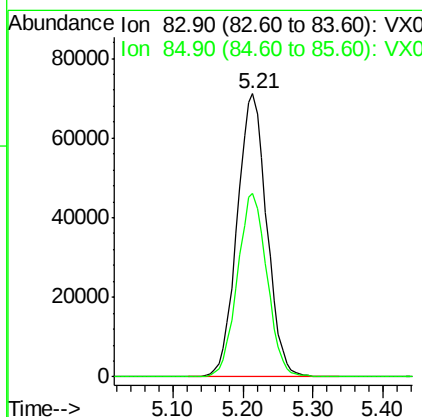
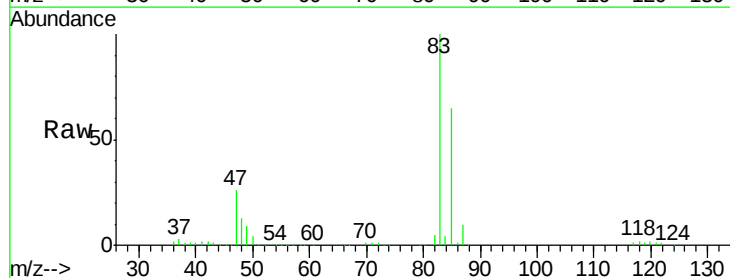
Manual Integrations
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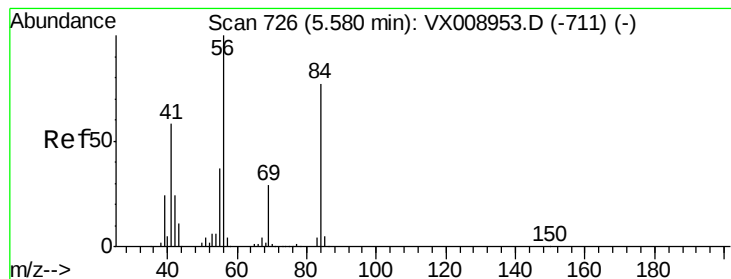
MMDadoda
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#30
Chloroform
Concen: 56.559 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.9	77.9





#31

Cyclohexane

Concen: 56.559 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

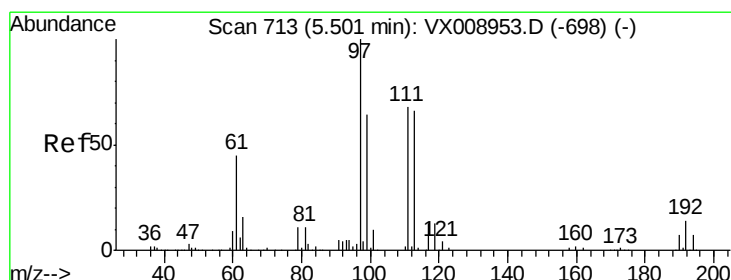
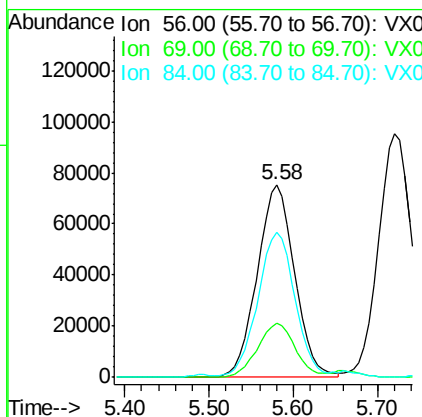
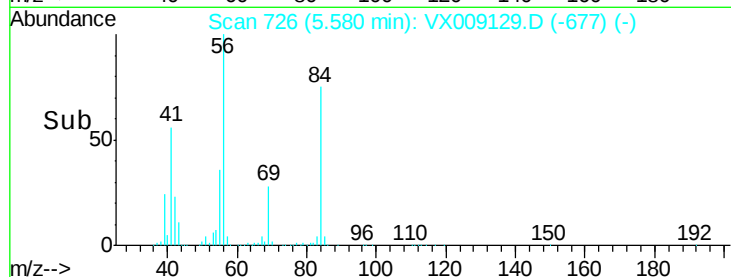
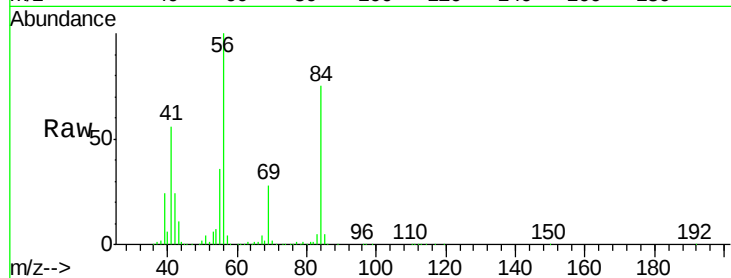
ClientSampleId :

S37-0016MSD

Tot Ion:	56	Resp:	230043
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.3	34.9
84	74.4	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.851 ug/l

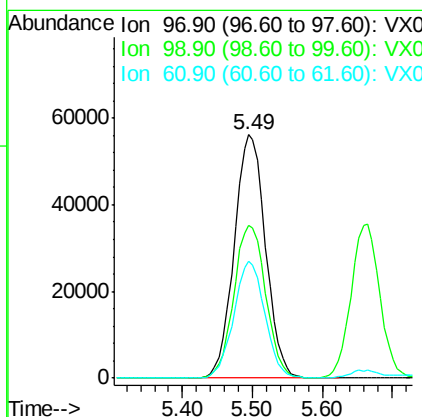
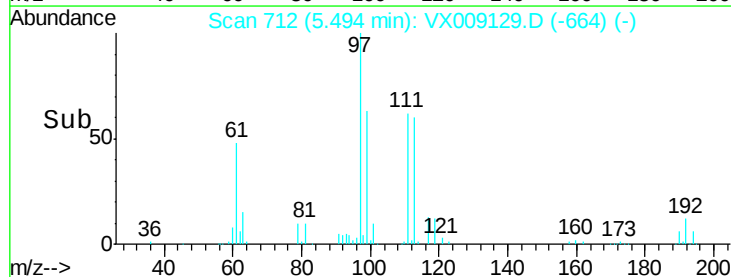
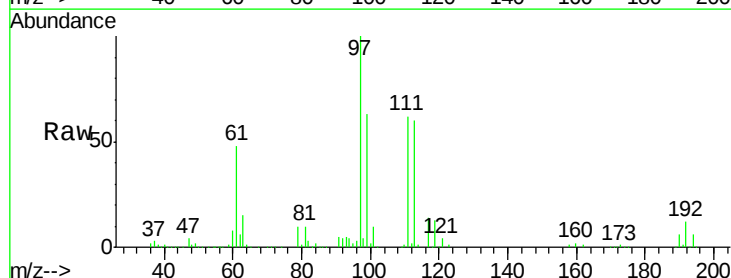
RT: 5.49 min Scan# 712

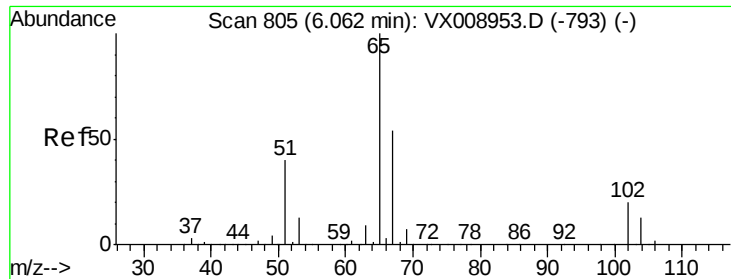
Delta R.T. -0.01 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	97	Resp:	174362
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	47.8	37.9	56.9





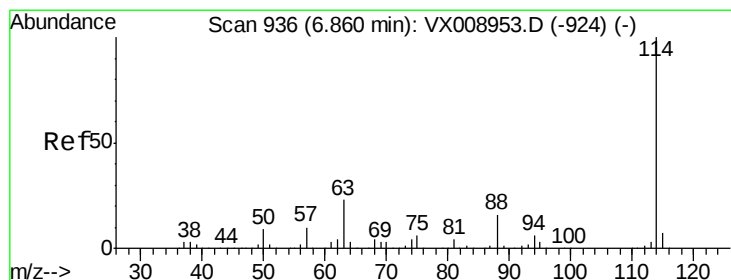
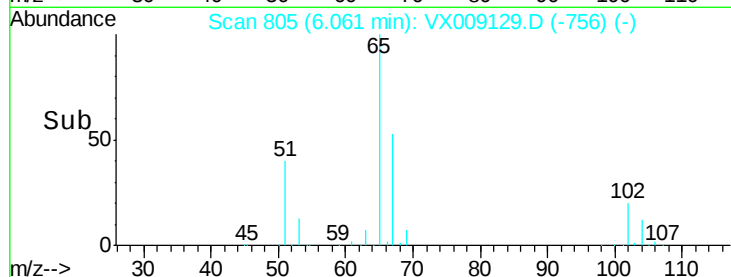
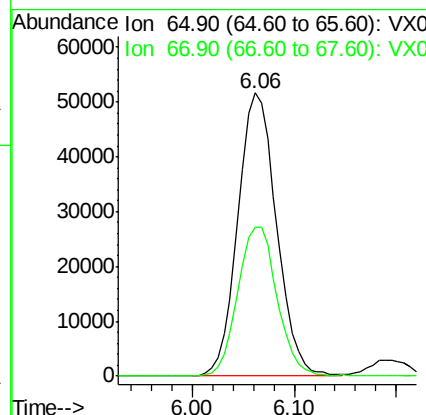
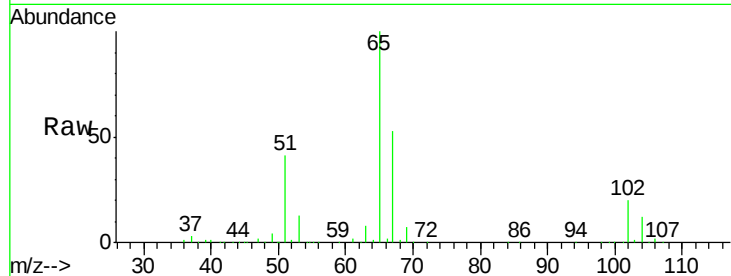
#33
 1,2-Dichloroethane-d4
 Concen: 53.275 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.6

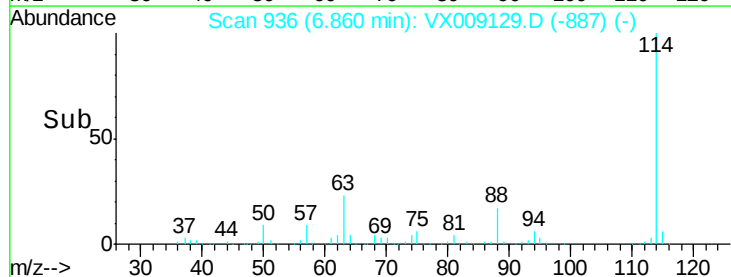
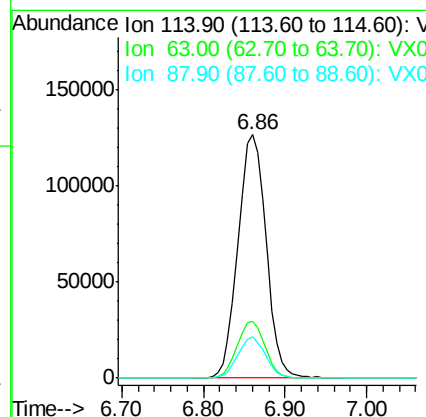
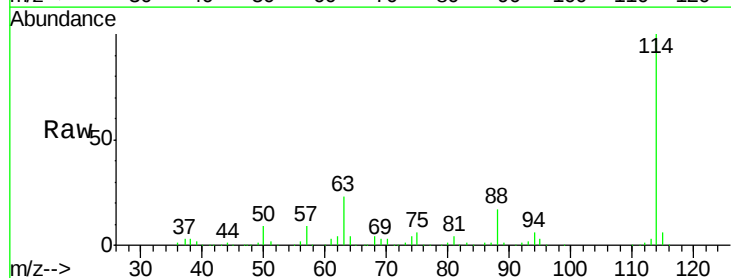
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.0
88	16.8	0.0	32.6





#35

Dibromofluoromethane

Concen: 51.945 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

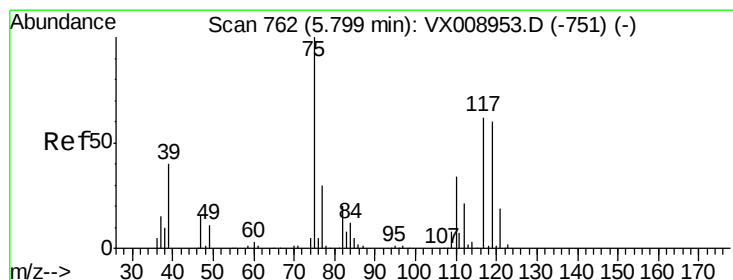
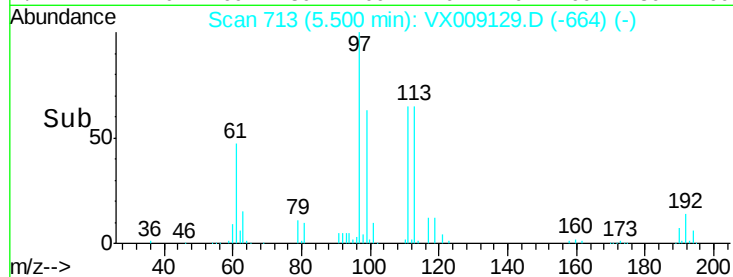
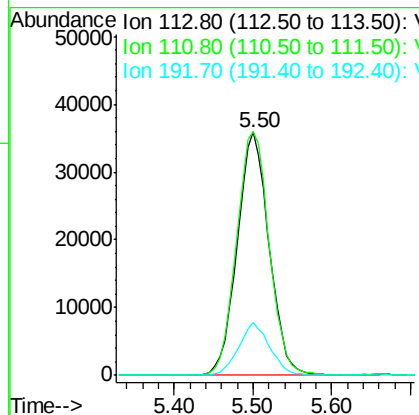
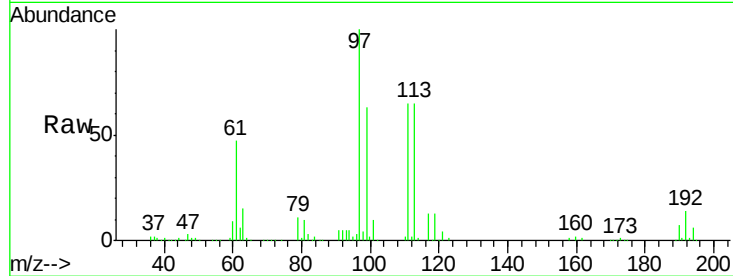
ClientSampleId :

S37-0016MSD

Tot Ion:	113	Resp:	100630
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.9	124.3
192	21.3	17.4	26.0

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#36

1,1-Dichloropropene

Concen: 52.497 ug/l

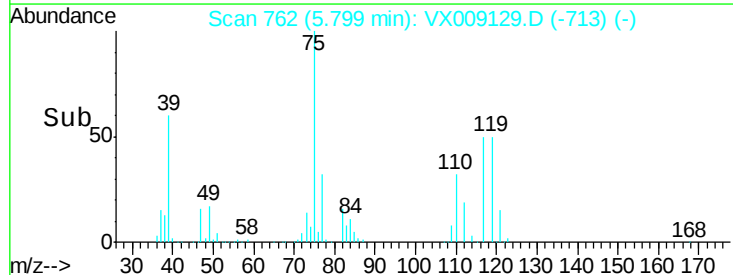
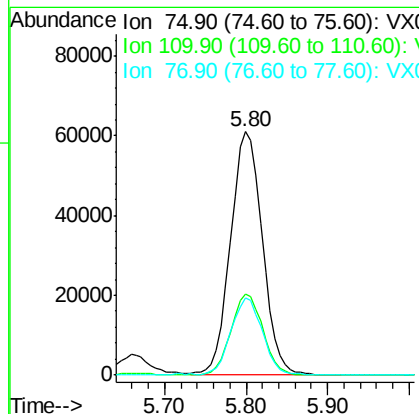
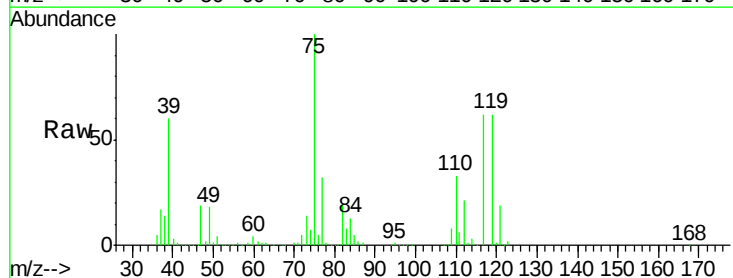
RT: 5.80 min Scan# 762

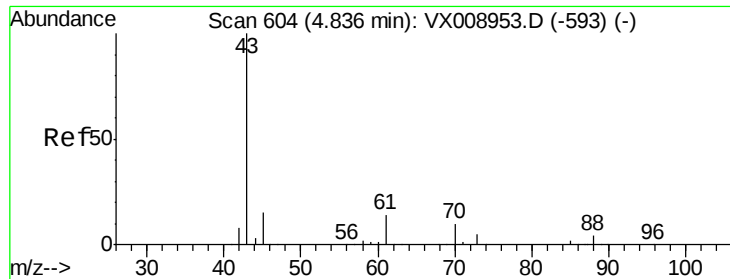
Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	75	Resp:	163887
Ion Ratio	Lower	Upper	
75	100		
110	33.4	16.9	50.7
77	30.9	25.0	37.4





#37

Ethyl Acetate

Concen: 53.862 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

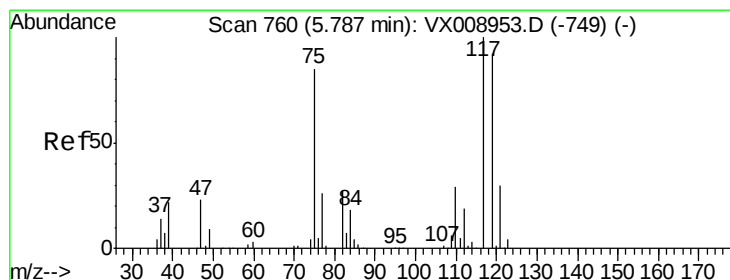
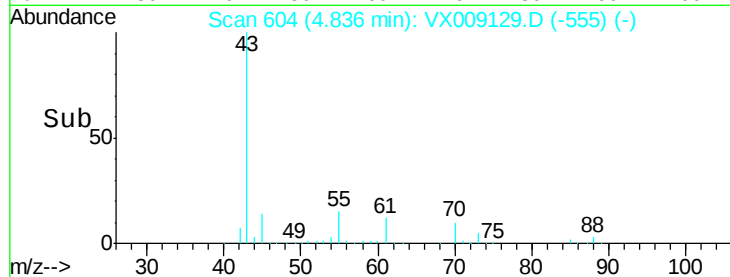
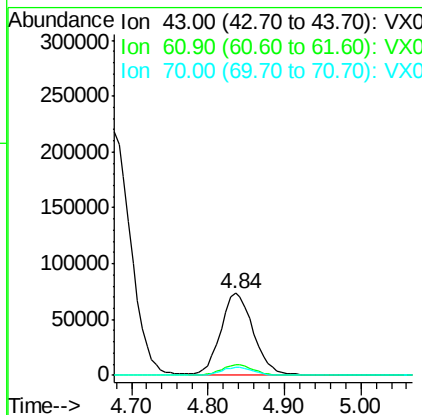
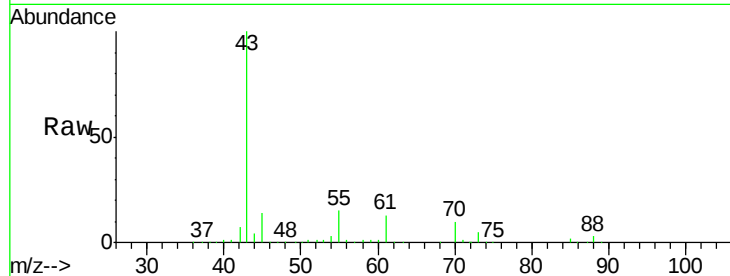
ClientSampleId :

S37-0016MSD

Tot Ion:	43	Resp:	216371
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	9.6	7.7	11.5

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#38

Carbon Tetrachloride

Concen: 55.093 ug/l

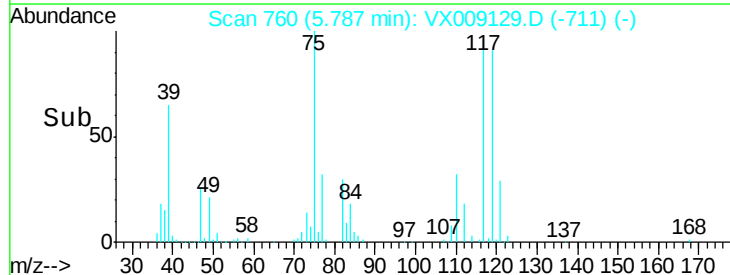
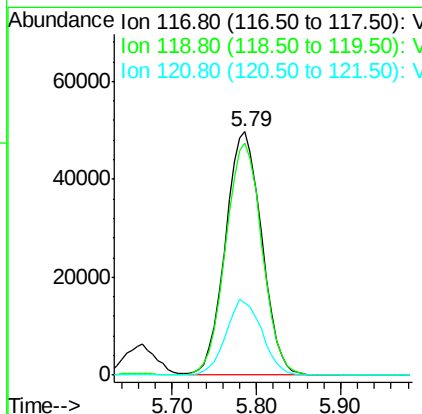
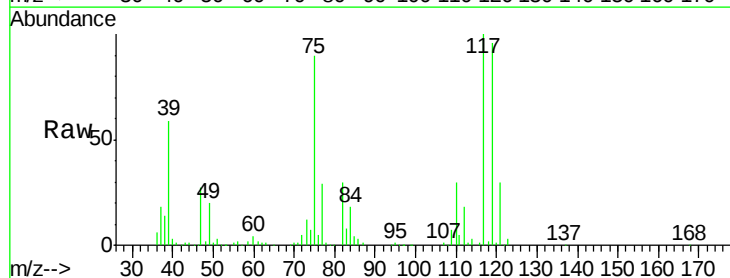
RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	117	Resp:	145808
Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.8	110.8
121	29.8	23.6	35.4





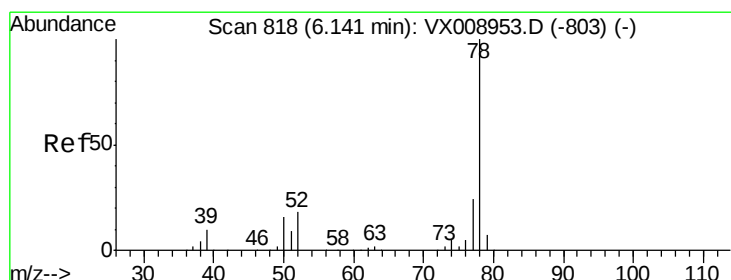
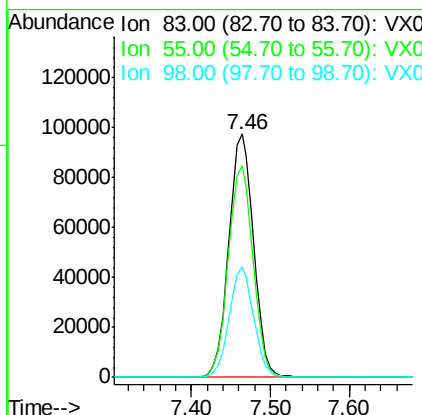
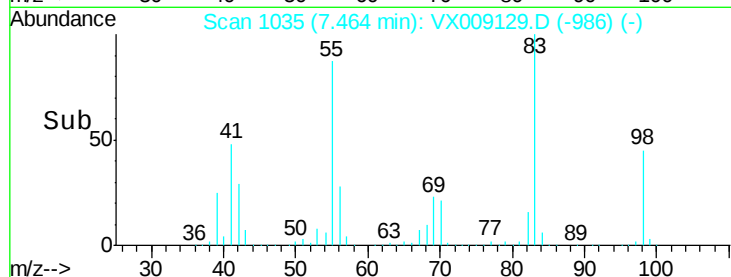
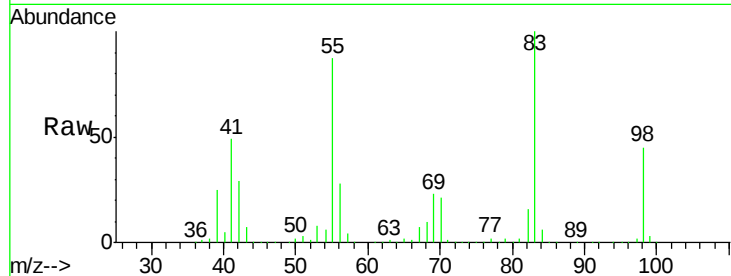
#39
Methvlcvclohexane
Concen: 55.969 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	67.1	100.7
98	45.1	35.1	52.7

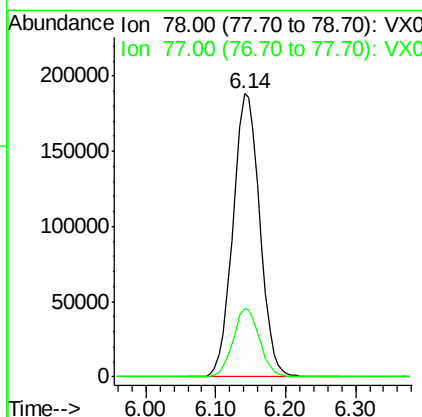
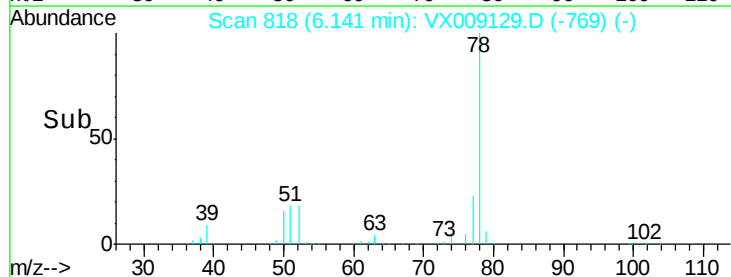
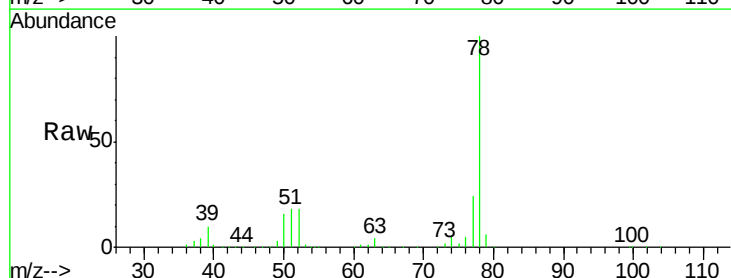
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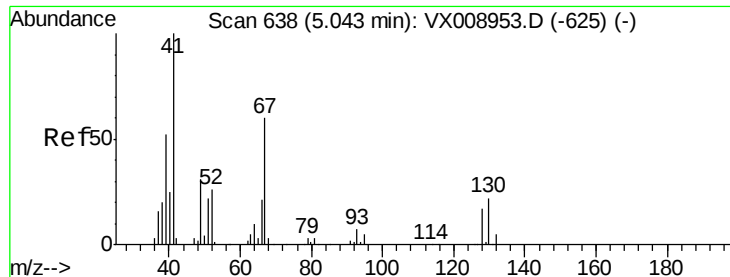
MMDadoda
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#40
Benzene
Concen: 54.348 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





#41

Methacrylonitrile

Concen: 56.937 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 41 Resp: 131270

Ion Ratio Lower Upper

41 100

39 53.5 41.8 62.6

67 64.0 50.2 75.4

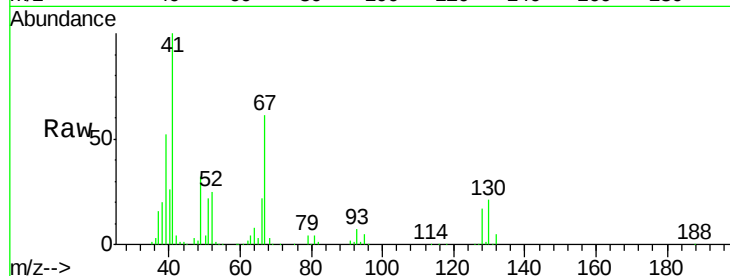
52 25.9 21.1 31.7

Manual Integrations

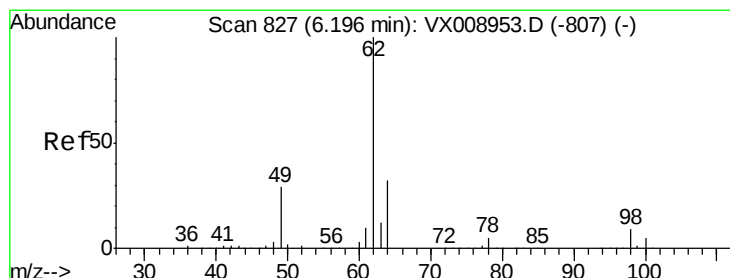
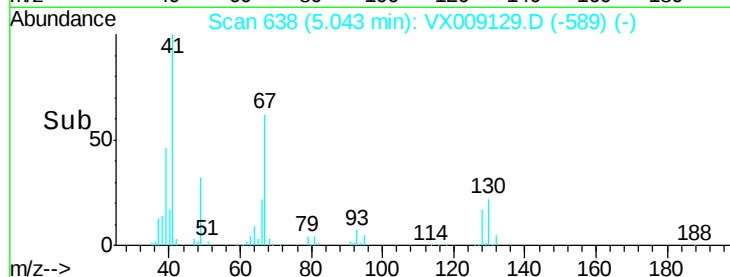
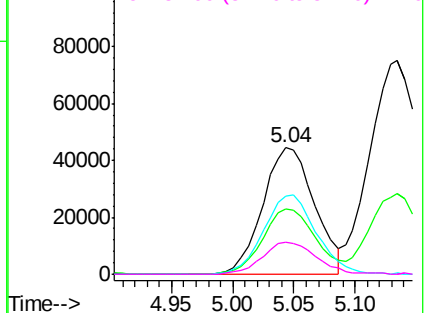
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 54.725 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX009129.D

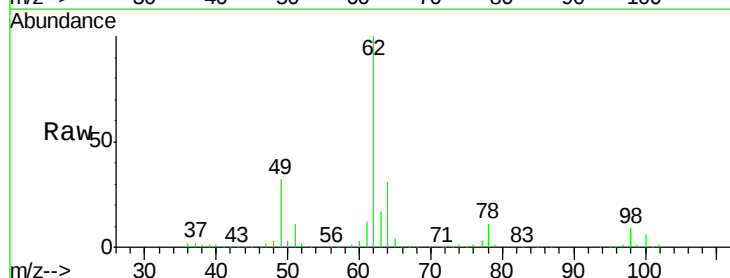
Acq: 23 Apr 2019 18:24

Tgt Ion: 62 Resp: 178535

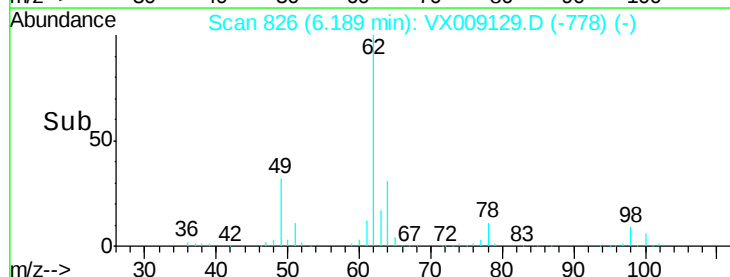
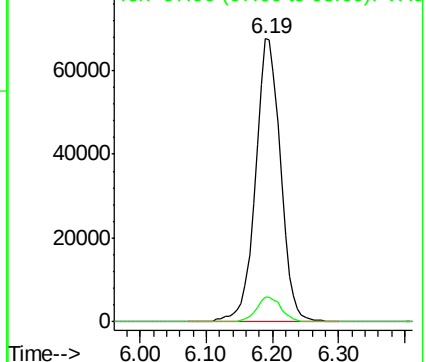
Ion Ratio Lower Upper

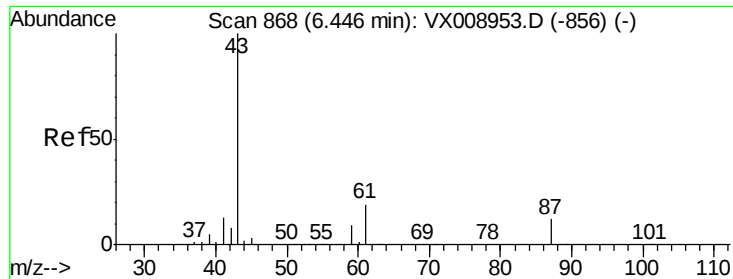
62 100

98 8.8 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

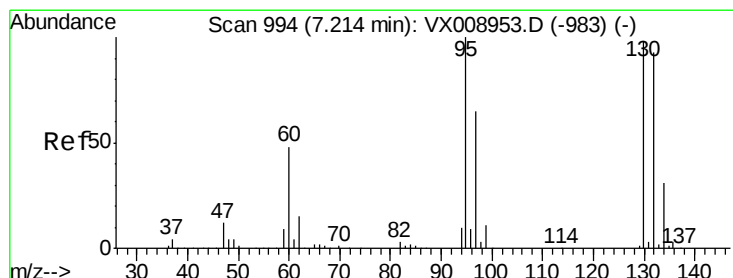
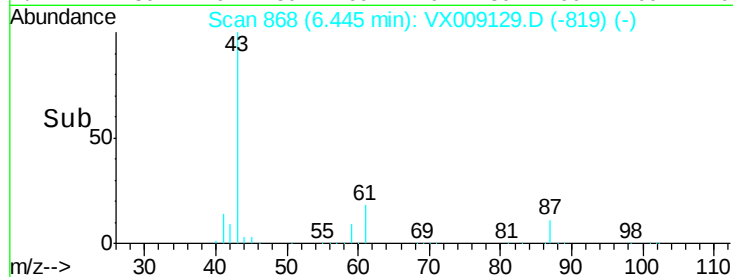
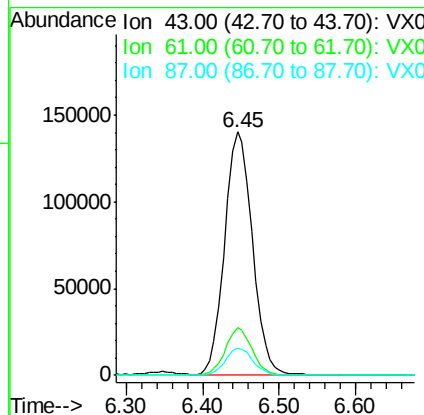
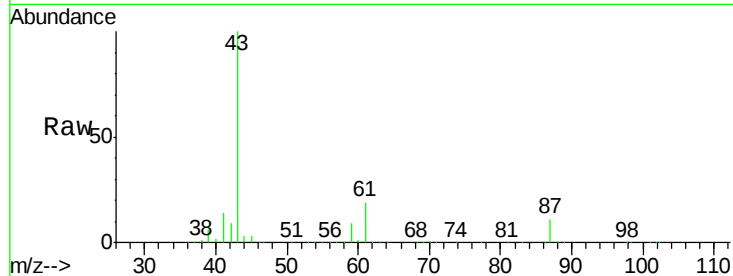
Isopropyl Acetate
 Concen: 54.200 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.3	9.0	13.4

Manual Integrations
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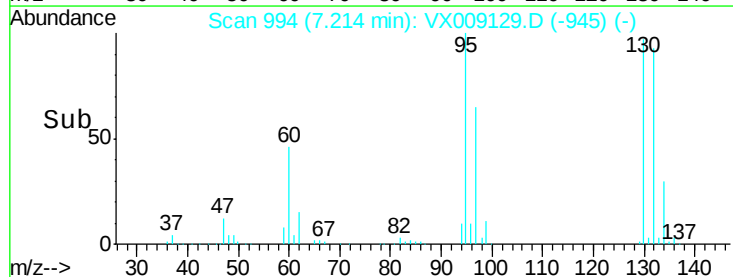
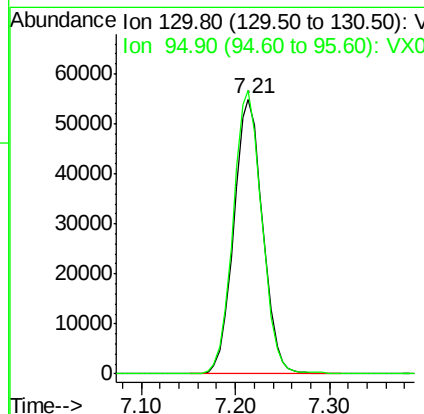
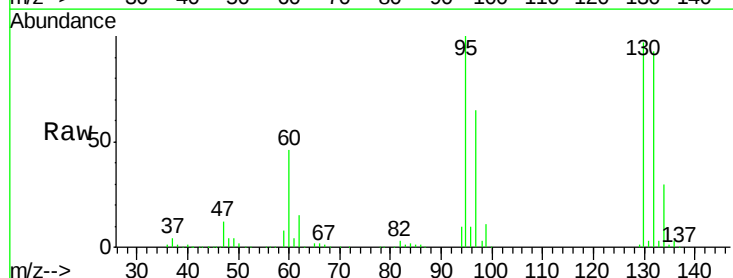
MMDadoda
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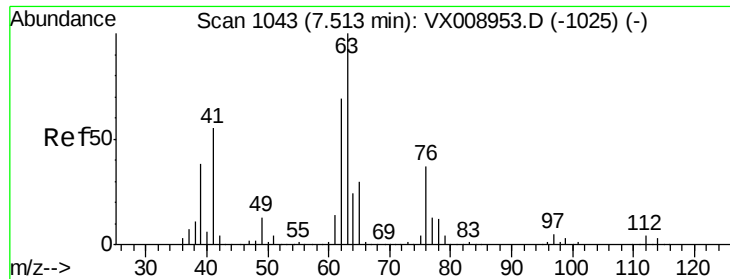


#44

Trichloroethene
 Concen: 51.604 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.2





#45

1,2-Dichloropropane

Concen: 55.612 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 63 Resp: 142088

Ion Ratio Lower Upper

63 100

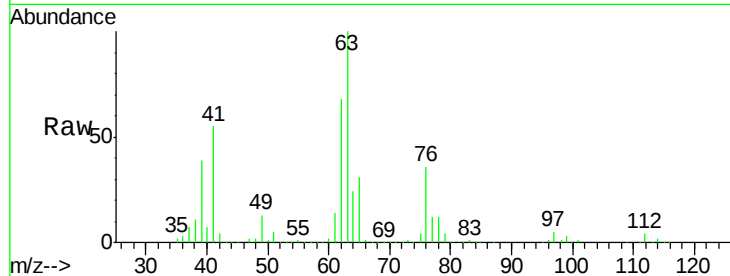
65 30.7 24.1 36.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

60000

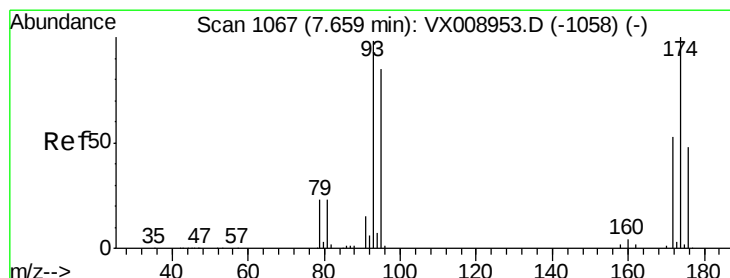
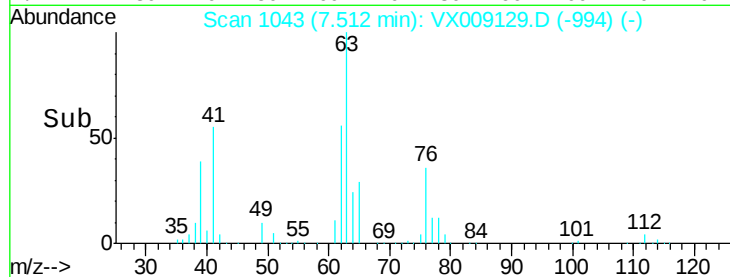
40000

20000

0

Time-->

7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 54.399 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

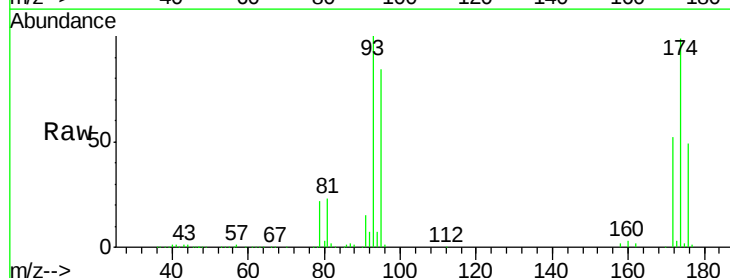
Tgt Ion: 93 Resp: 80888

Ion Ratio Lower Upper

93 100

95 84.1 67.0 100.4

174 101.3 81.6 122.4



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

7.66

50000

40000

30000

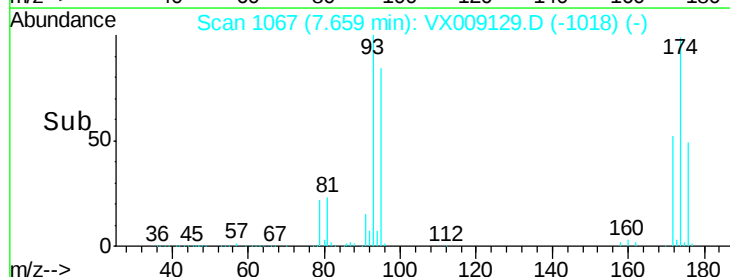
20000

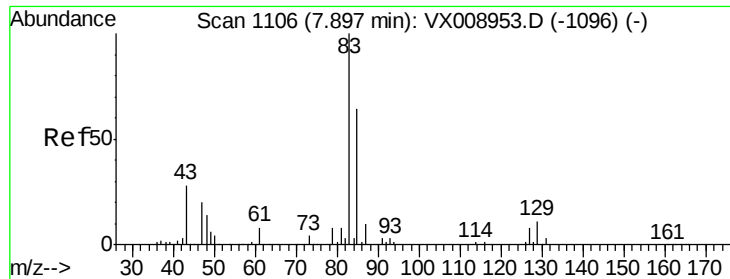
10000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 55.879 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

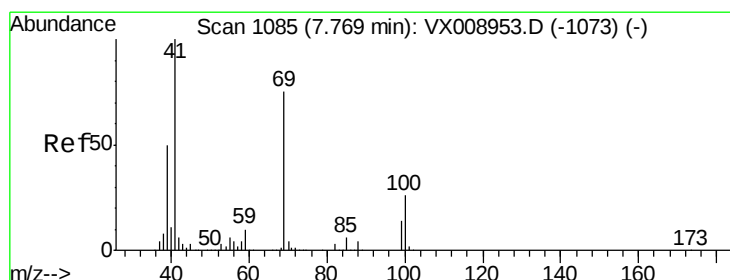
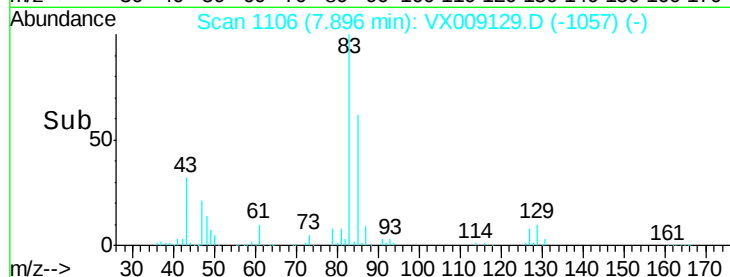
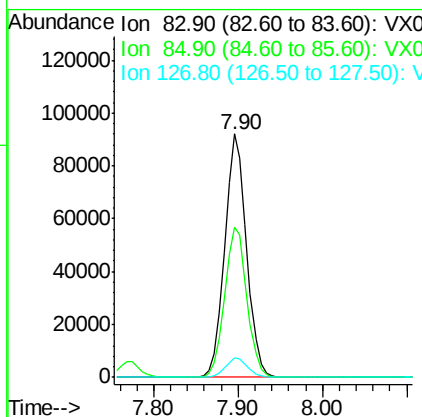
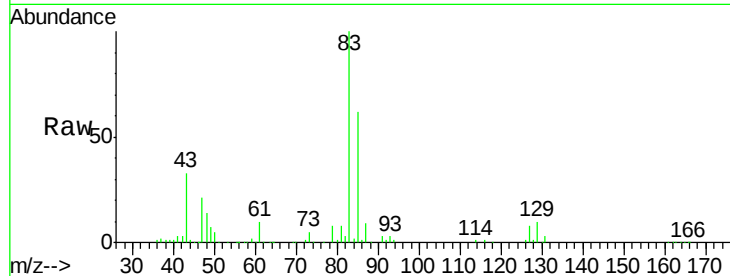
ClientSampleId :

S37-0016MSD

Tot Ion:	83	Resp:	162967
Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.8	76.2
127	8.3	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.298 ug/l

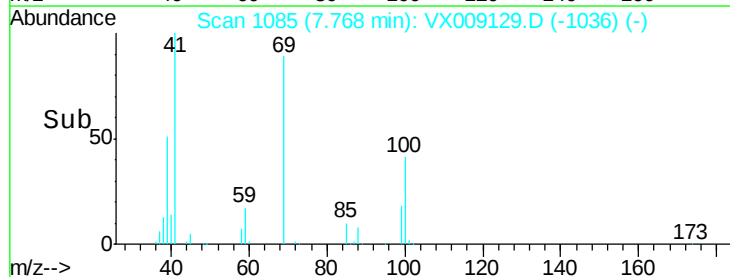
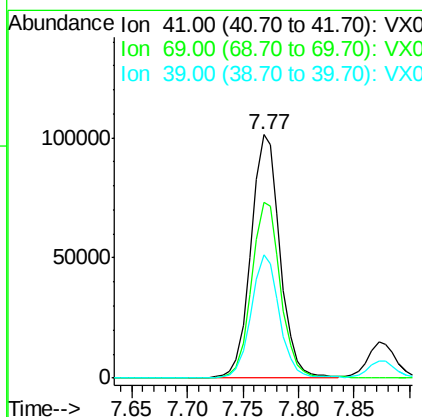
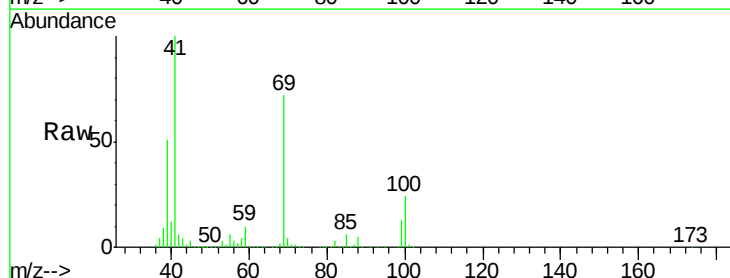
RT: 7.77 min Scan# 1085

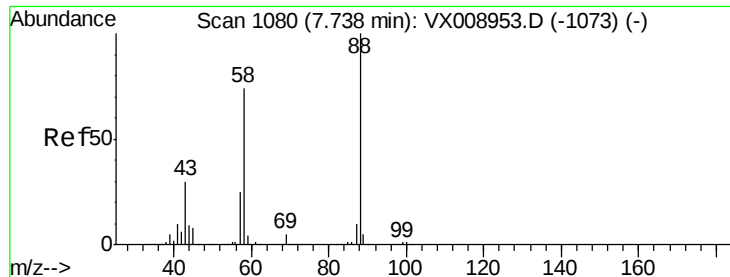
Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	41	Resp:	183276
Ion	Ratio	Lower	Upper
41	100		
69	73.1	59.4	89.2
39	49.6	39.8	59.6





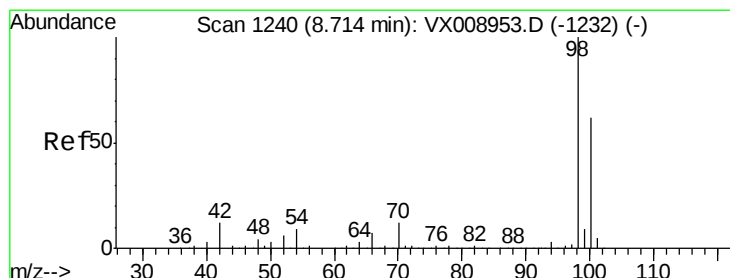
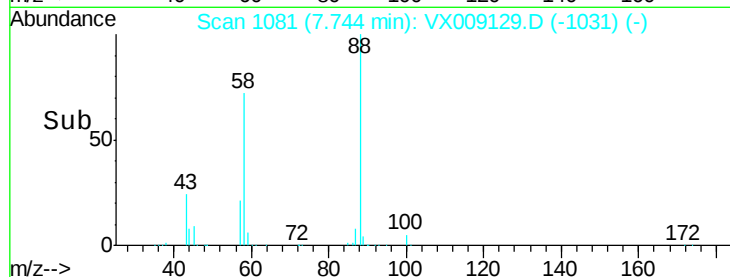
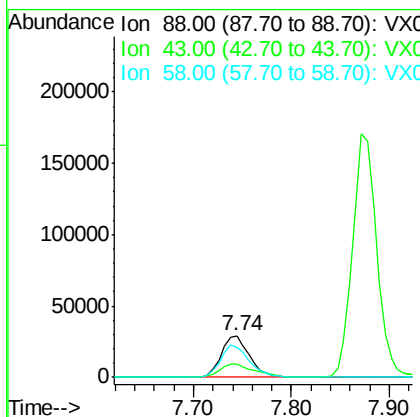
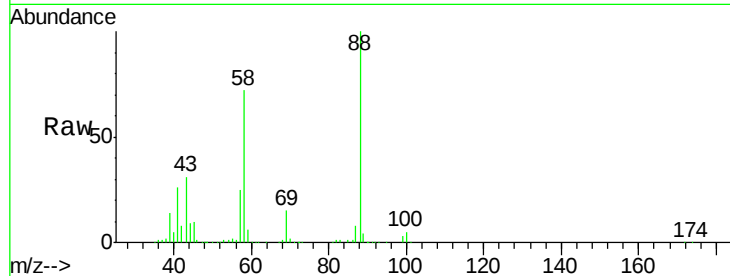
#49
1,4-Dioxane
Concen: 984.852 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	88	Resp	58962
Ion Ratio	Lower	Upper	
88	100		
43	37.3	29.3	43.9
58	77.3	62.6	93.8

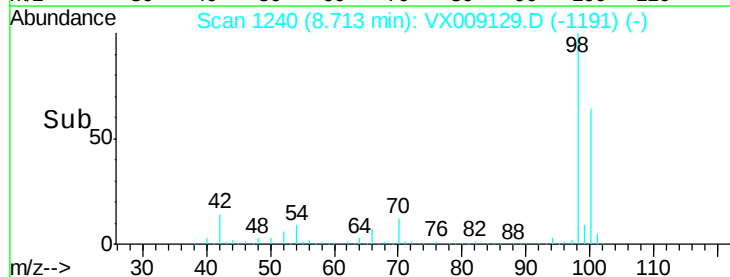
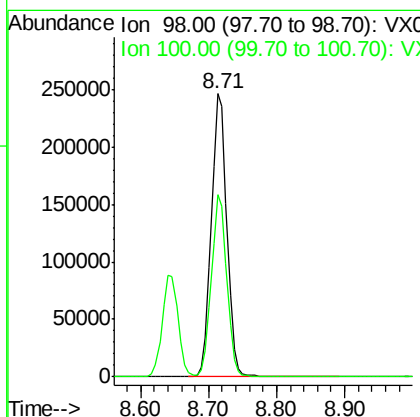
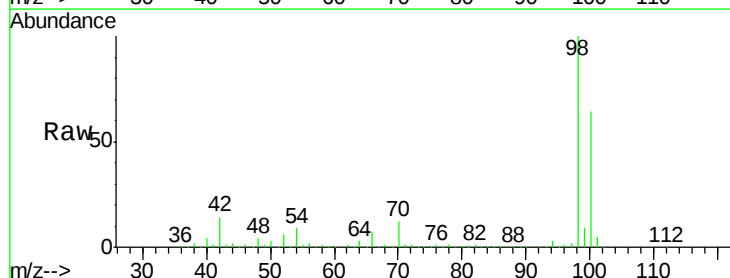
Manual Integrations
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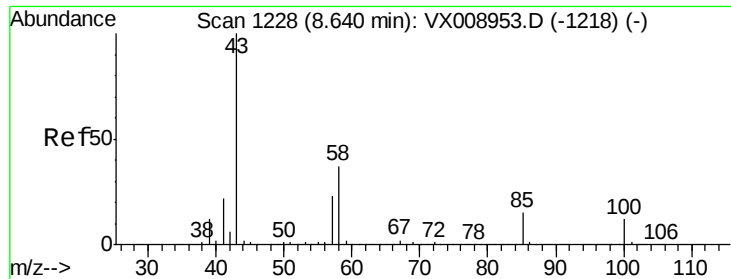
MMDadoda
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#50
Toluene-d8
Concen: 50.635 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	98	Resp	391198
Ion Ratio	Lower	Upper	
98	100		
100	63.9	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 285.652 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 43 Resp: 1178074

Ion Ratio Lower Upper

43 100

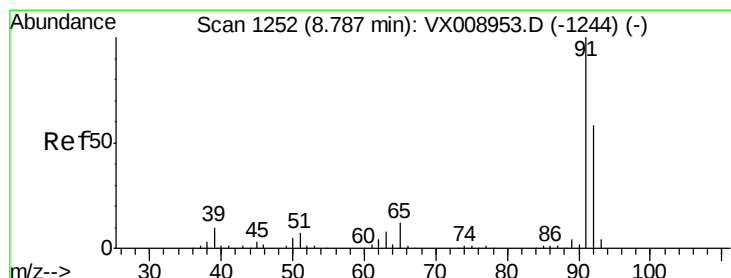
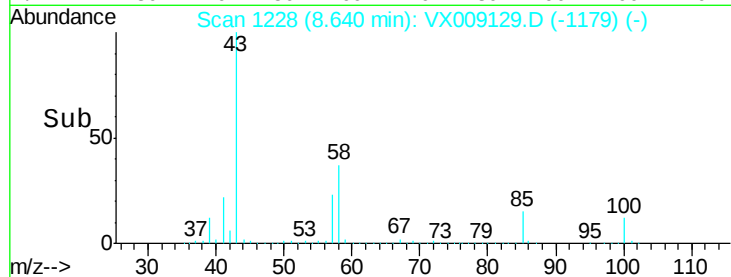
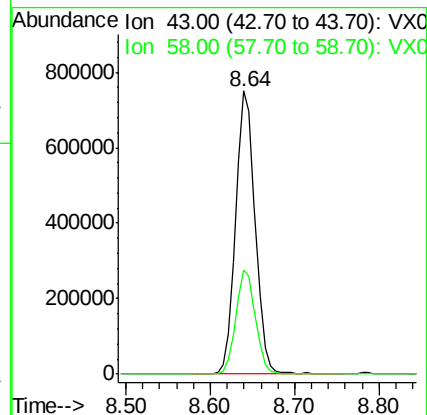
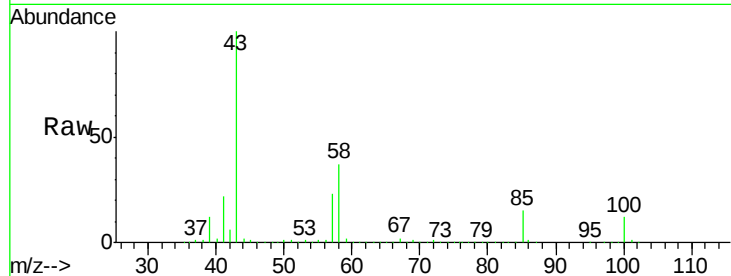
58 36.7 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 52.971 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009129.D

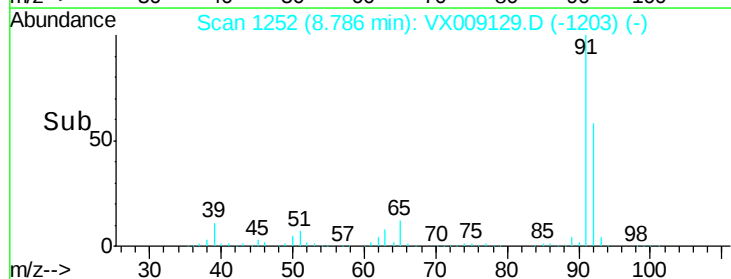
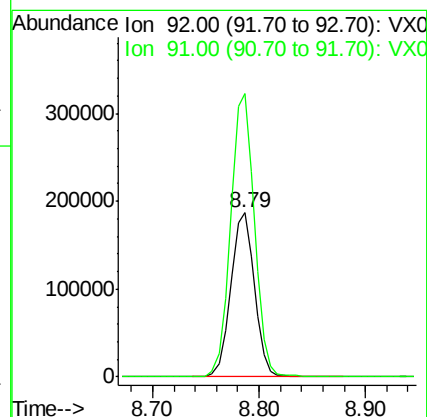
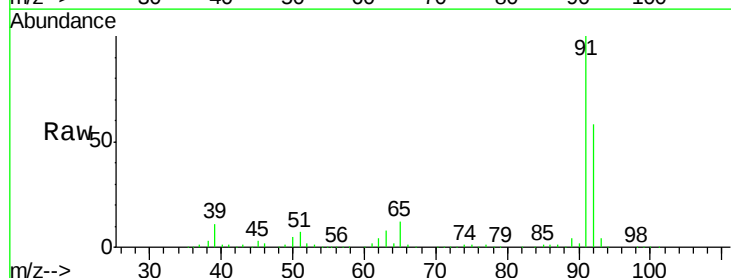
Acq: 23 Apr 2019 18:24

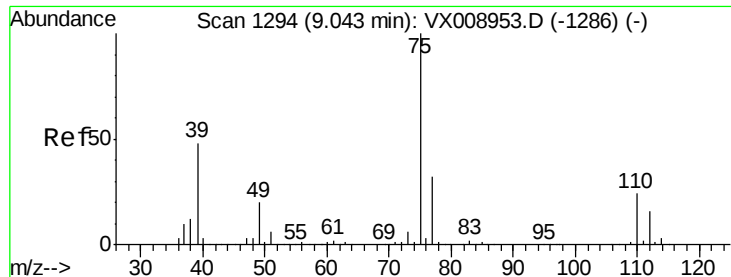
Tgt Ion: 92 Resp: 292374

Ion Ratio Lower Upper

92 100

91 173.8 138.5 207.7





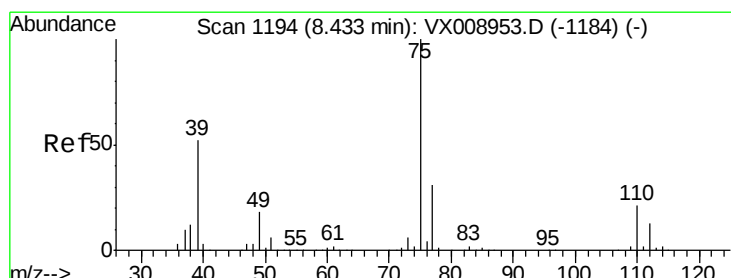
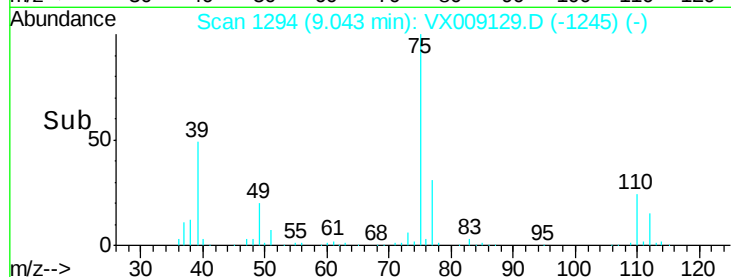
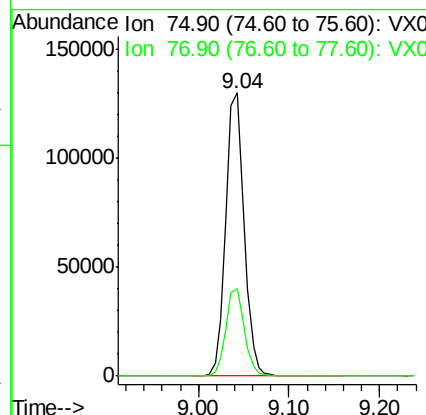
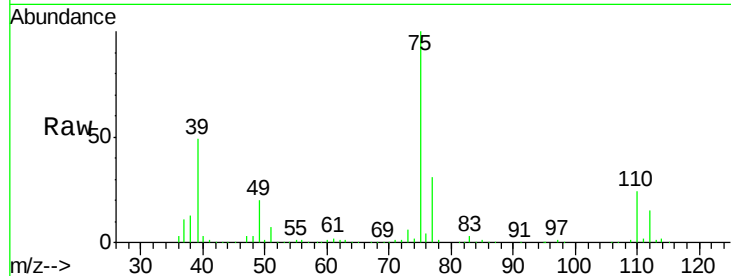
#53
t-1,3-Dichloropropene
Concen: 55.197 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

Tot Ion: 75 Resp: 185264
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

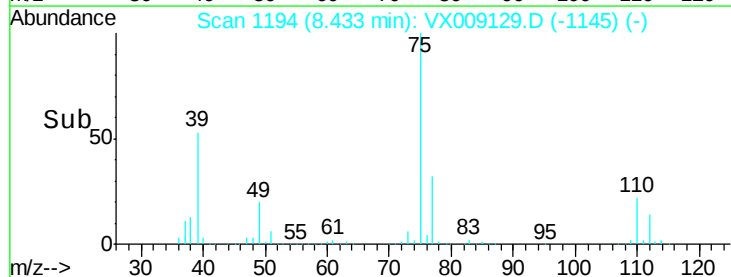
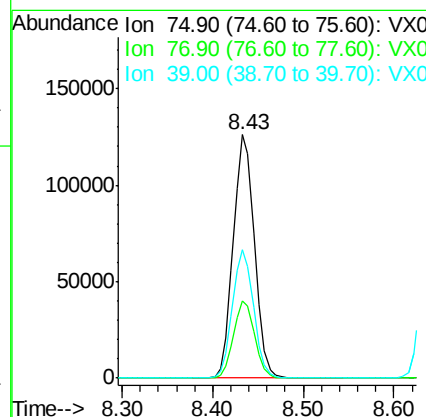
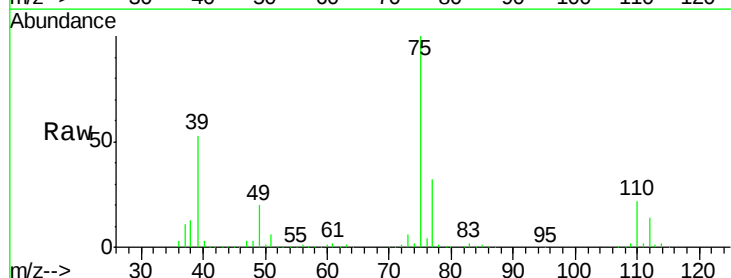
Manual Integrations
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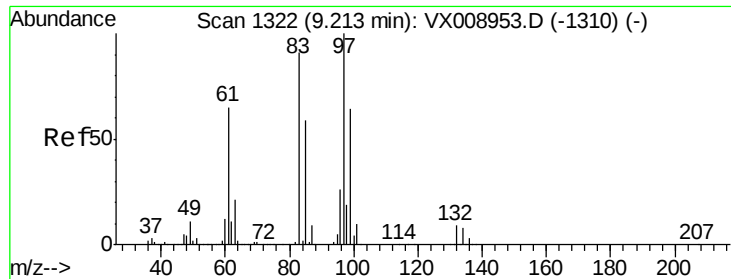
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.456 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion: 75 Resp: 204661
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2
39 52.7 41.8 62.6





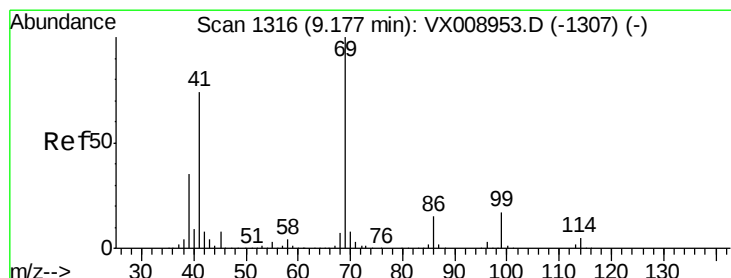
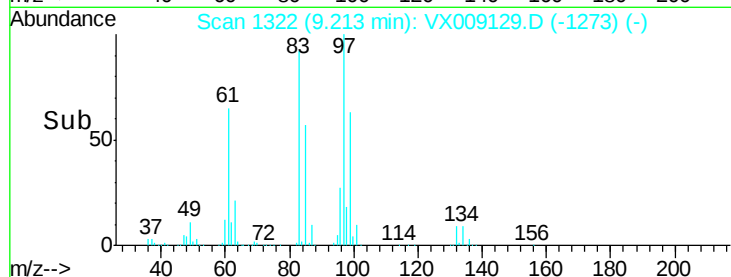
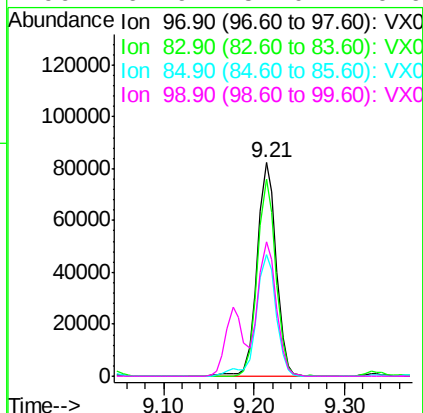
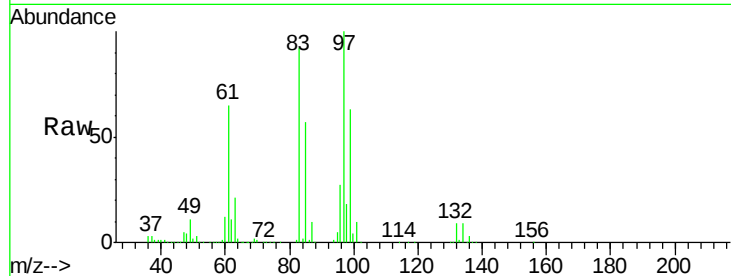
#55
 1,1,2-Trichloroethane
 Concen: 55.114 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120565		
83	92.0	72.6	108.8		
85	57.2	46.9	70.3		
99	62.9	51.0	76.6		

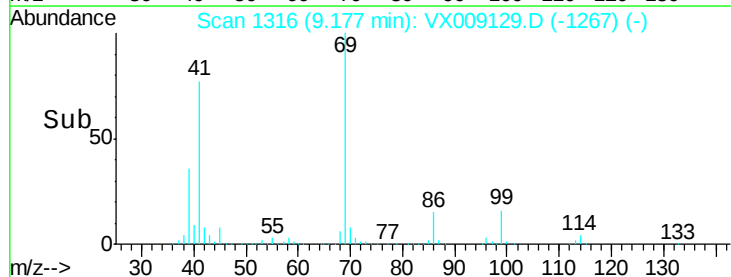
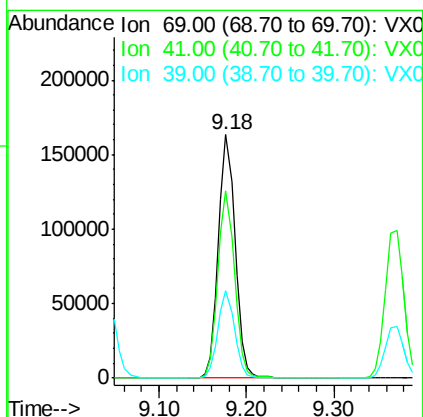
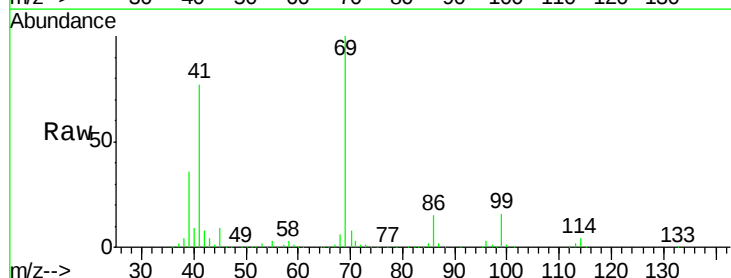
Manual Integrations
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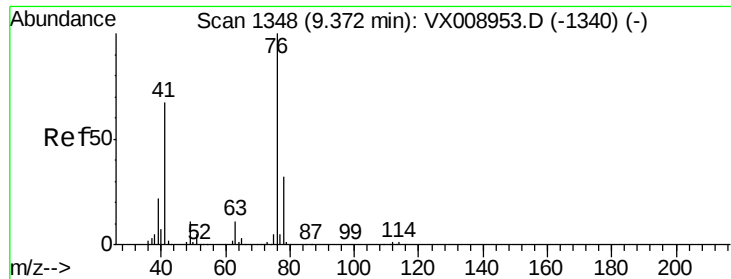
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#56
 Ethyl methacrylate
 Concen: 55.576 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		217995		
41	76.4	60.2	90.2		
39	35.8	27.9	41.9		





#57

1,3-Dichloropropane

Concen: 54.946 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 76 Resp: 214011

Ion Ratio Lower Upper

76 100

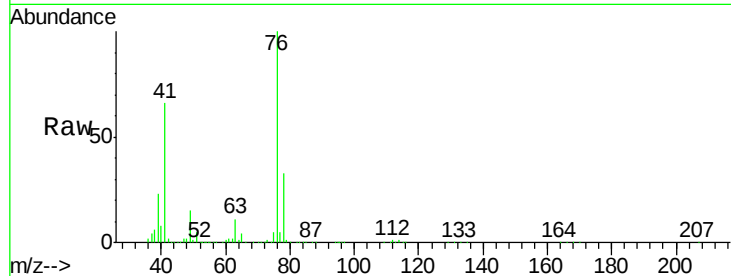
78 32.2 25.7 38.5

Manual Integrations

APPROVED

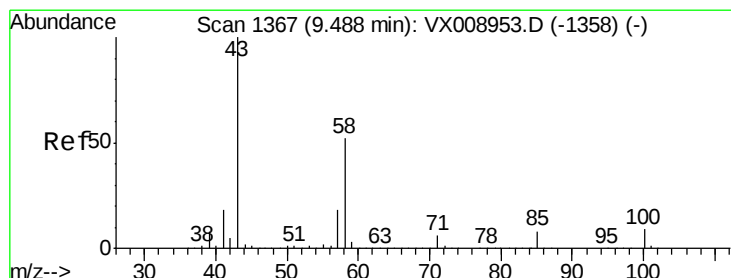
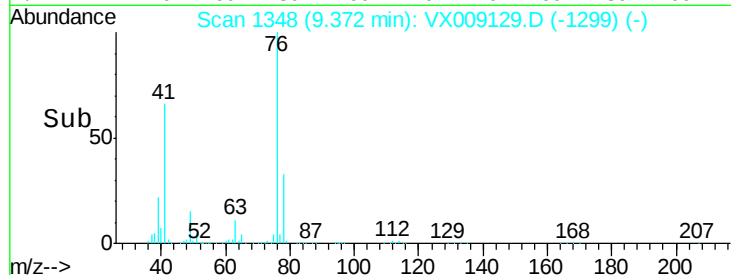
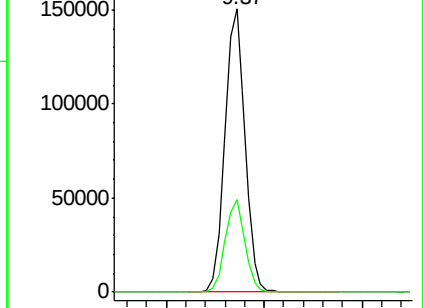
MMDadoda

4/24/2019 12:03:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 279.805 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009129.D

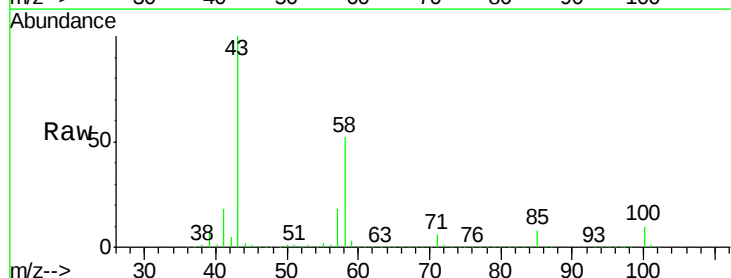
Acq: 23 Apr 2019 18:24

Tgt Ion: 43 Resp: 889679

Ion Ratio Lower Upper

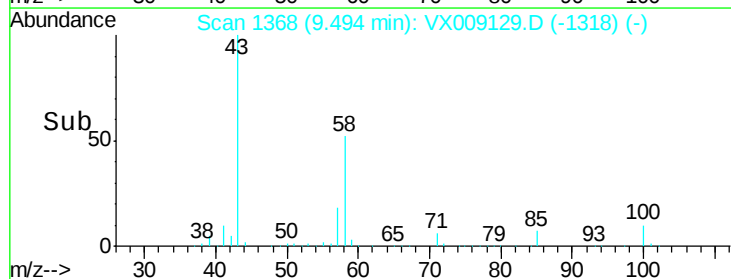
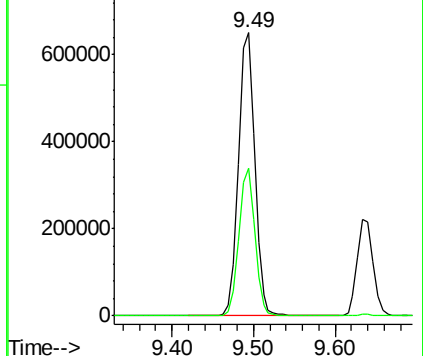
43 100

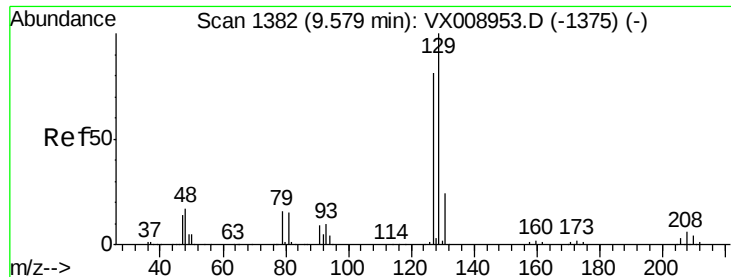
58 51.3 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 57.474 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion:129 Resp: 120499

Ion Ratio Lower Upper

129 100

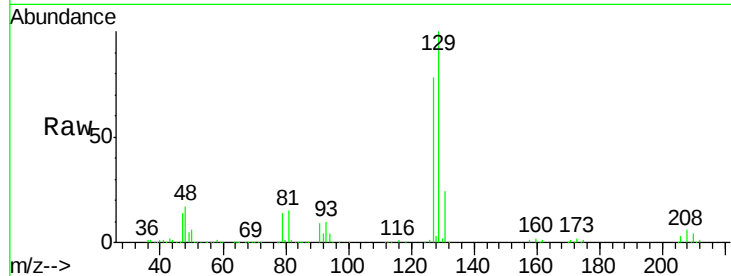
127 76.9 39.1 117.2

Manual Integrations

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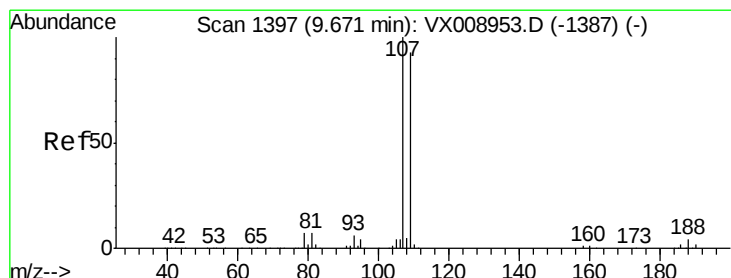
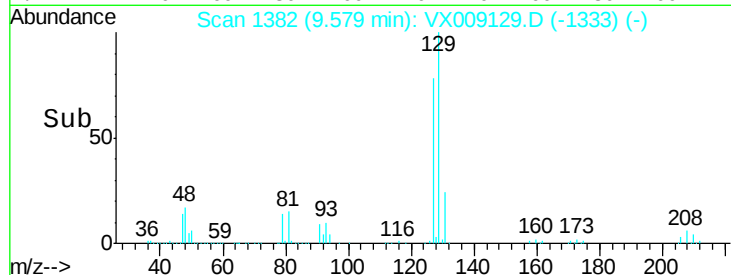
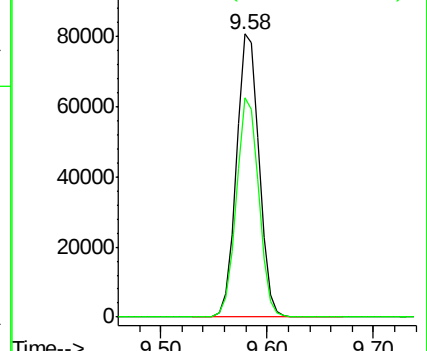
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.598 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009129.D

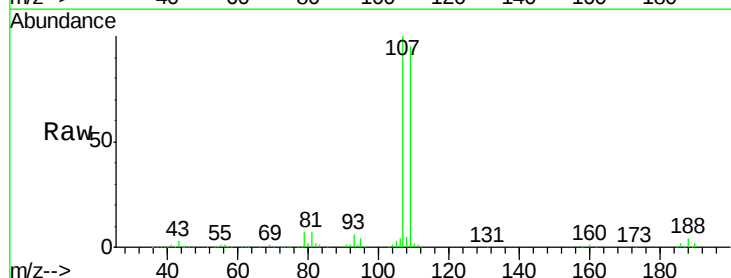
Acq: 23 Apr 2019 18:24

Tgt Ion:107 Resp: 123267

Ion Ratio Lower Upper

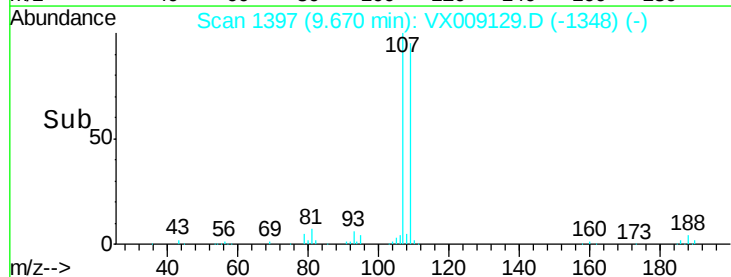
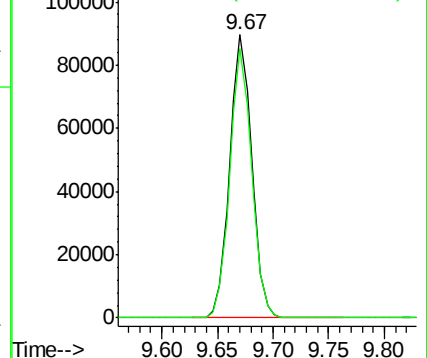
107 100

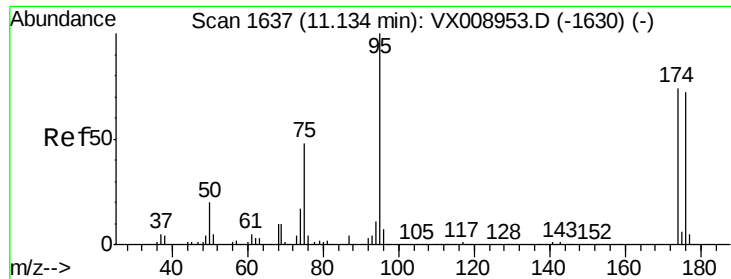
109 94.2 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





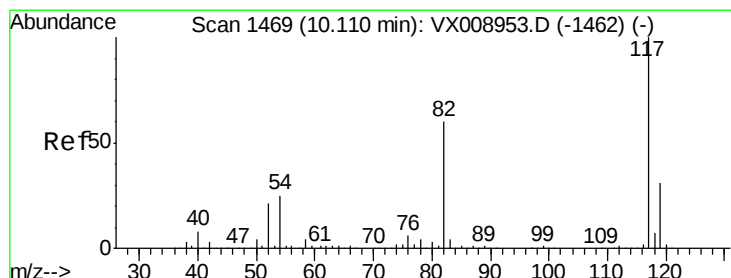
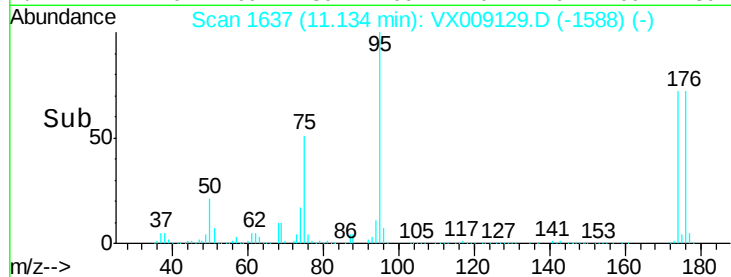
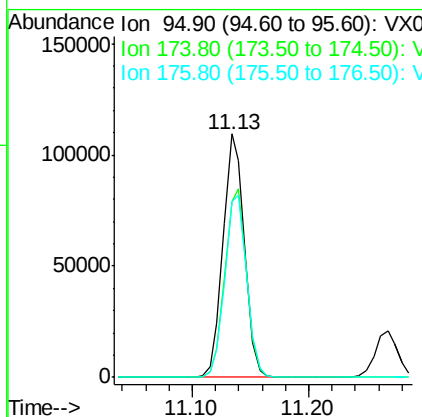
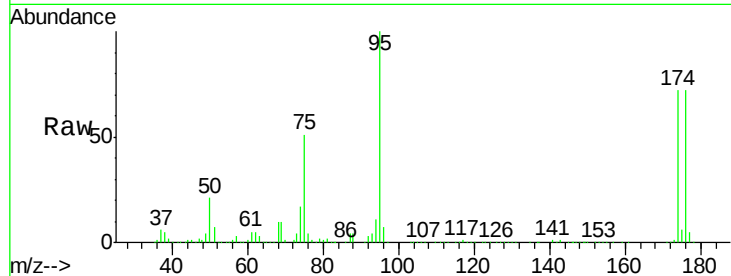
#62
4-Bromofluorobenzene
Concen: 50.545 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	137848		
174	78.7	0.0	159.6	
176	77.2	0.0	154.8	

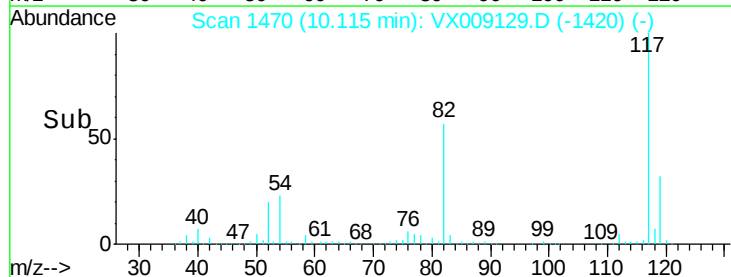
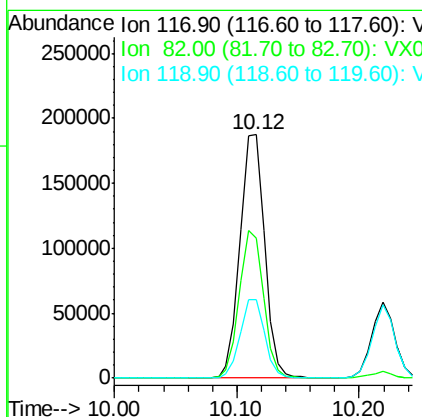
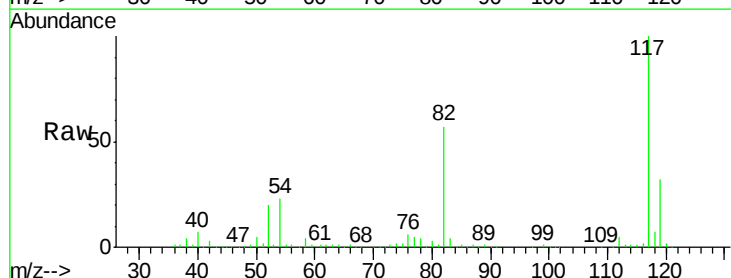
Manual Integrations
APPROVED

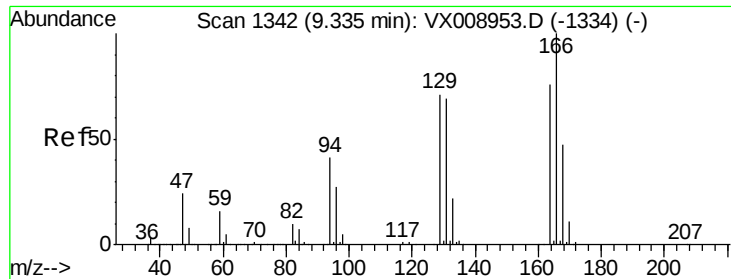
MMDadoda
4/24/2019 12:03:04 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	262499		
82	57.3	48.2	72.4	
119	32.1	25.0	37.6	





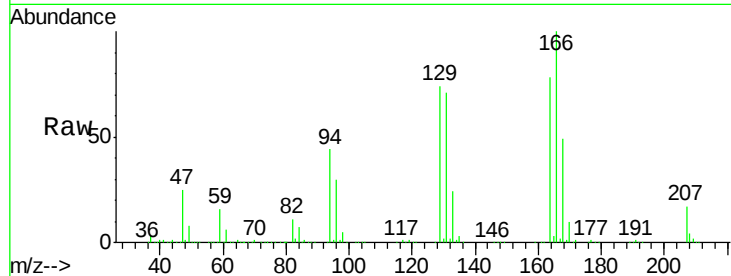
#64
Tetrachloroethene
Concen: 49.778 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

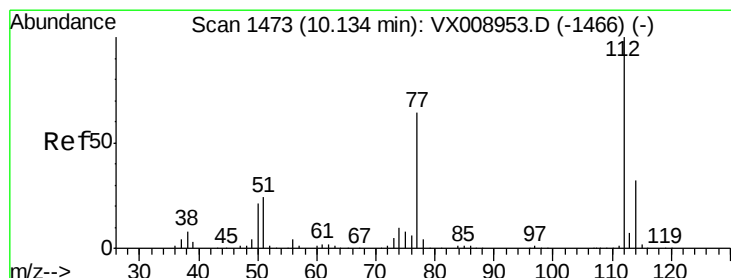
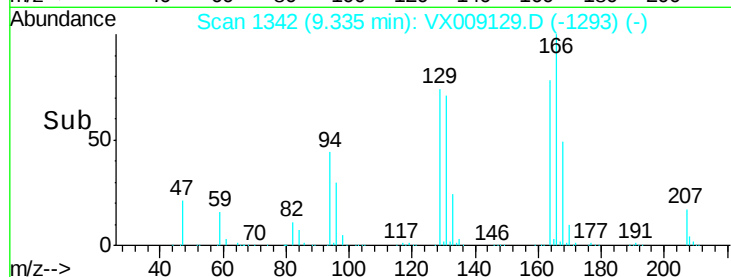
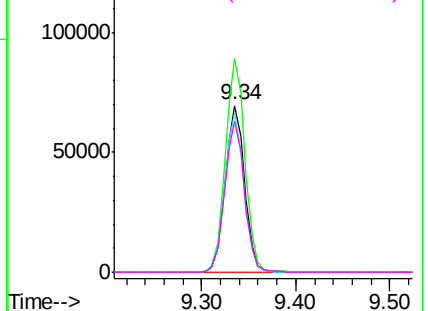
Tot Ion	Ratio	Lower	Upper
164	100		
166	128.0	105.0	157.4
129	94.9	74.2	111.4
131	90.3	72.2	108.2

Manual Integrations
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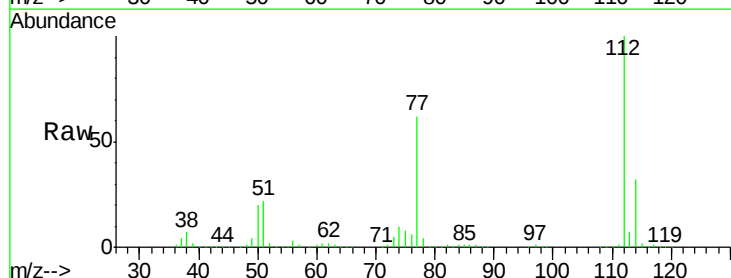


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

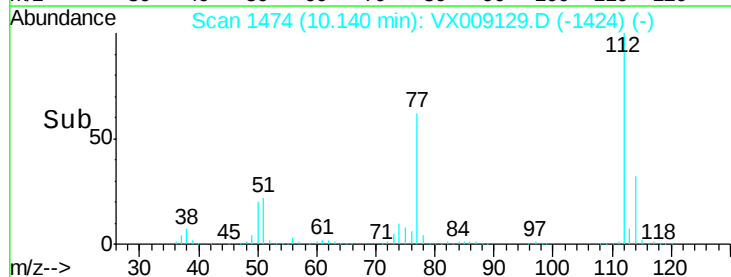
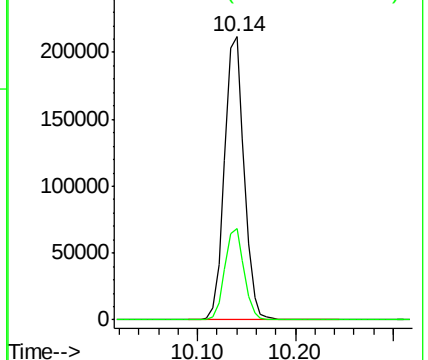


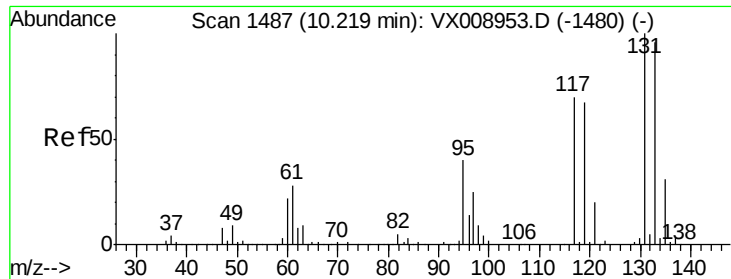
#65
Chlorobenzene
Concen: 53.219 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





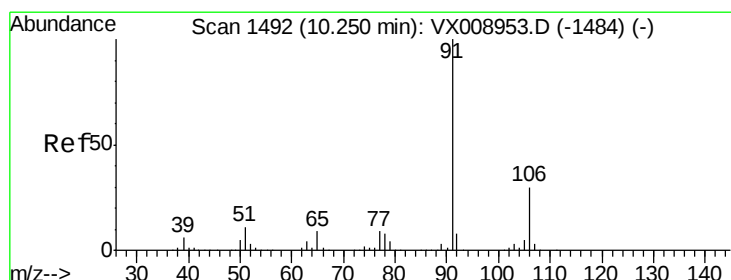
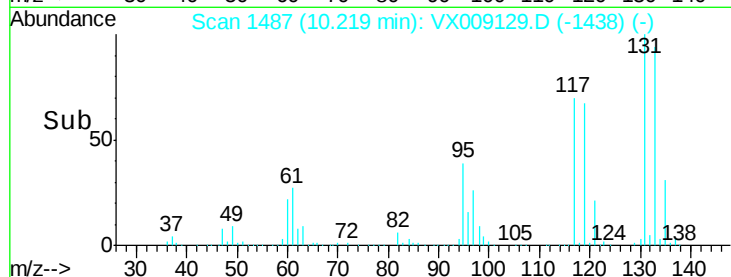
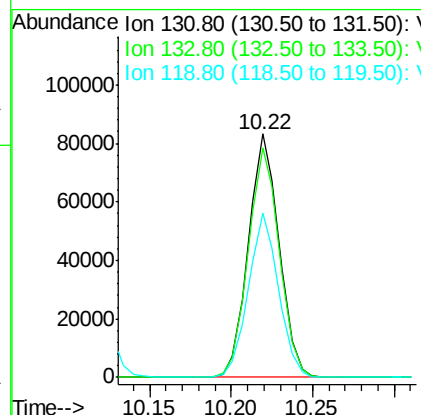
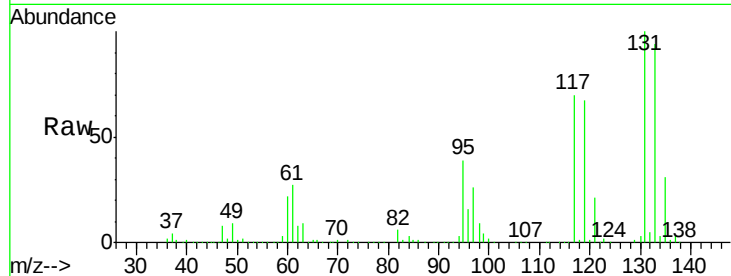
#66
 1,1,1,2-Tetrachloroethane
 Concen: 56.027 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	109359		
133	95.6	48.0	144.2	
119	66.3	33.7	101.1	

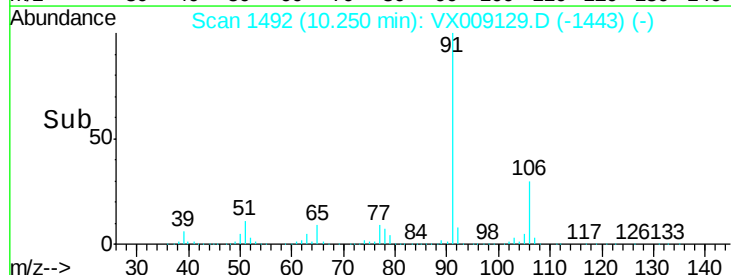
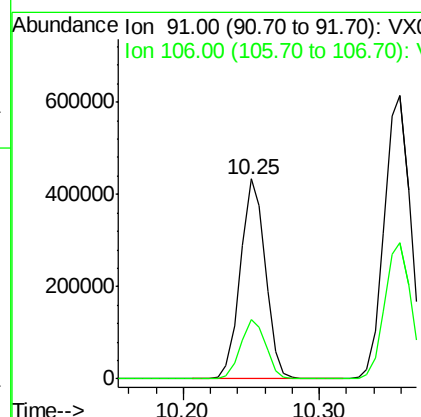
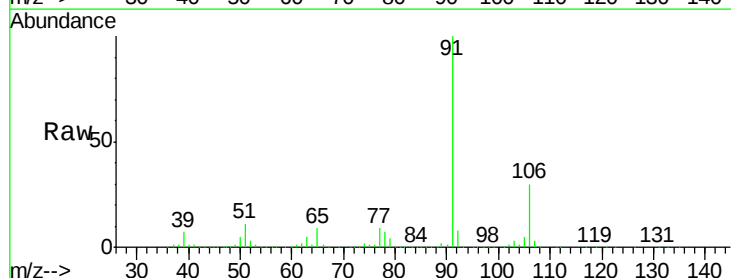
Manual Integrations
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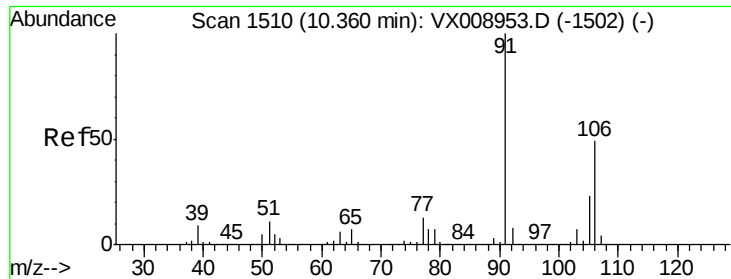
MMDadoda
 4/24/2019 12:03:04 PM



#67
 Ethyl Benzene
 Concen: 54.868 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	555735		
106	29.7	24.3	36.5	





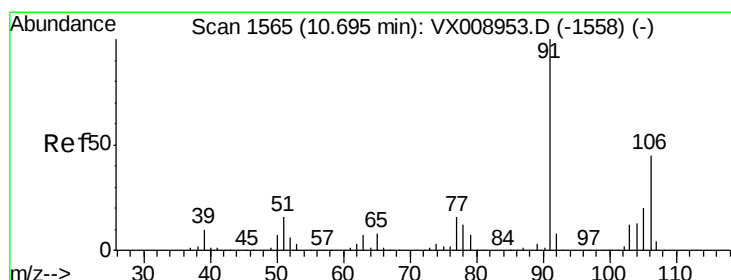
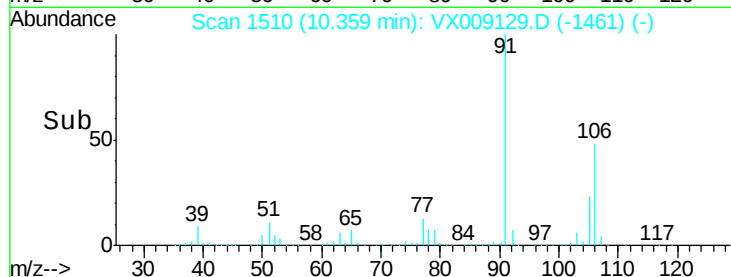
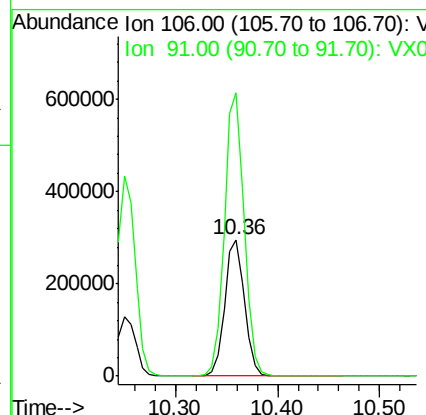
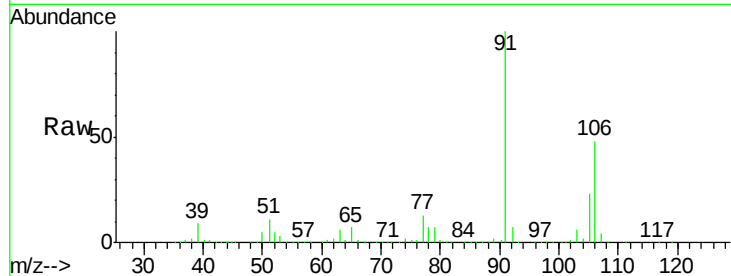
#68
m/p-Xvlenes
Concen: 108.238 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion:106 Resp: 398419
Ion Ratio Lower Upper
106 100
91 208.1 165.4 248.2

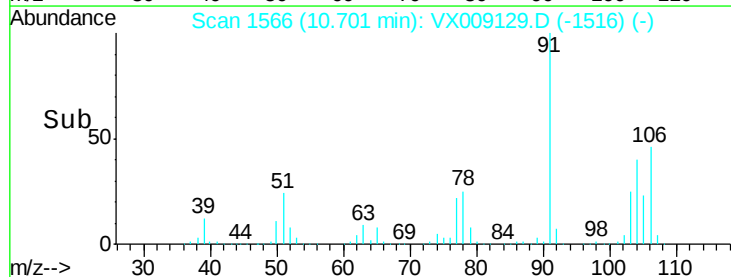
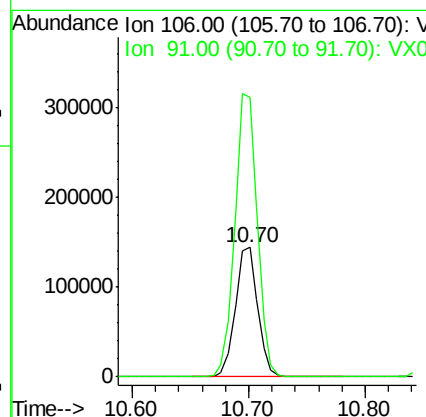
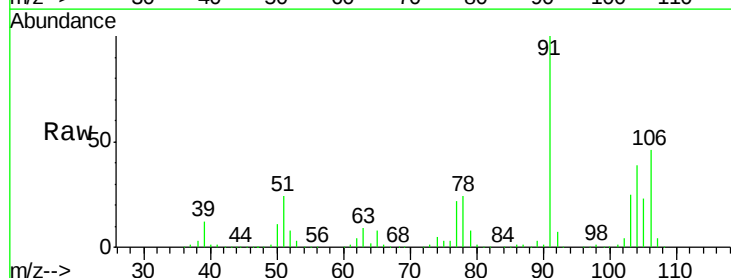
Manual Integrations
APPROVED

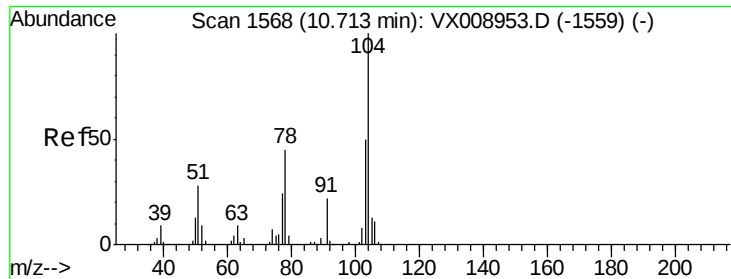
MMDadoda
4/24/2019 12:03:04 PM



#69
o-Xylene
Concen: 53.545 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion:106 Resp: 191780
Ion Ratio Lower Upper
106 100
91 221.3 108.9 326.7





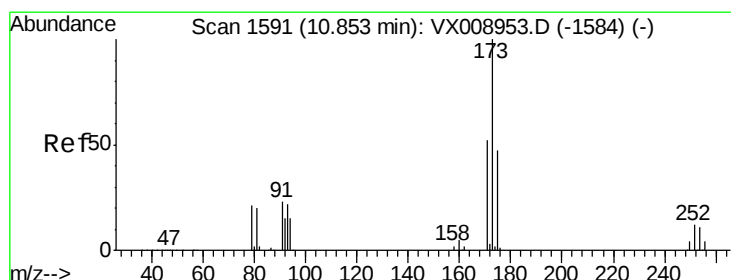
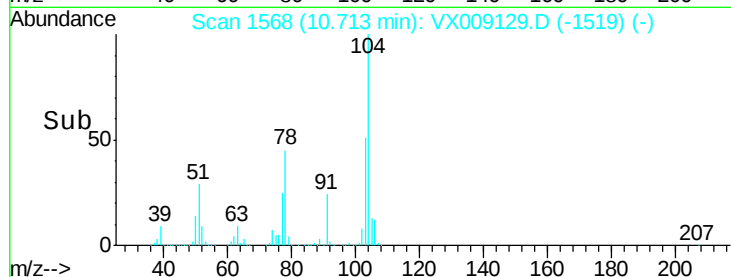
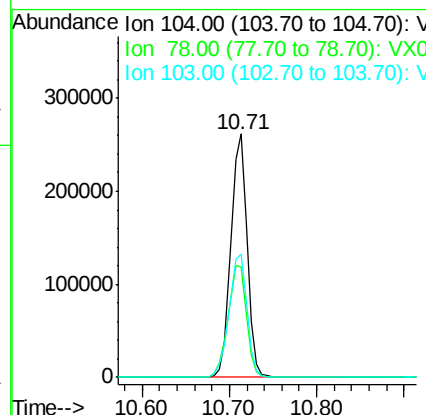
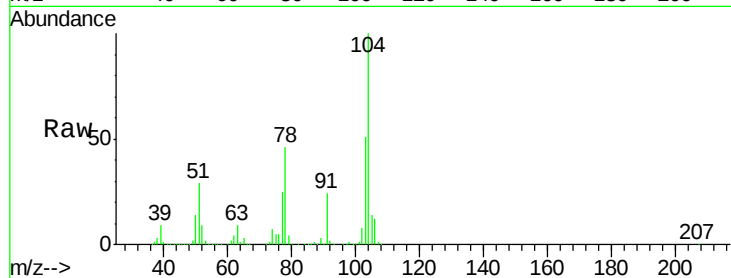
#70
Stvrene
Concen: 54.275 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	336868		
78	52.0		41.2	61.8
103	55.6		43.9	65.9

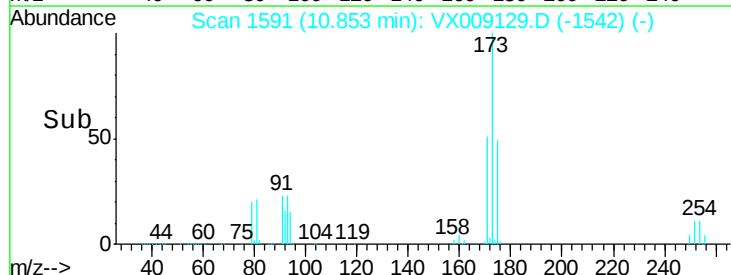
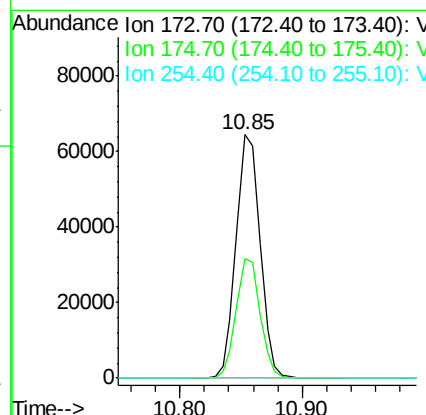
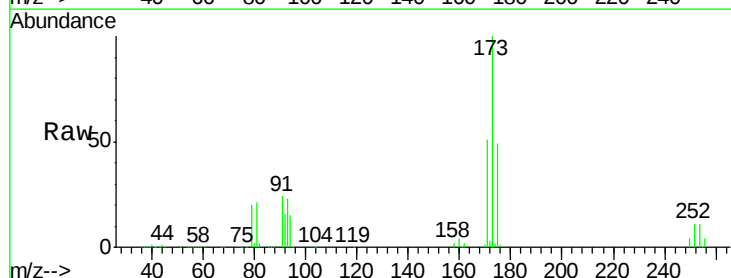
Manual Integrations
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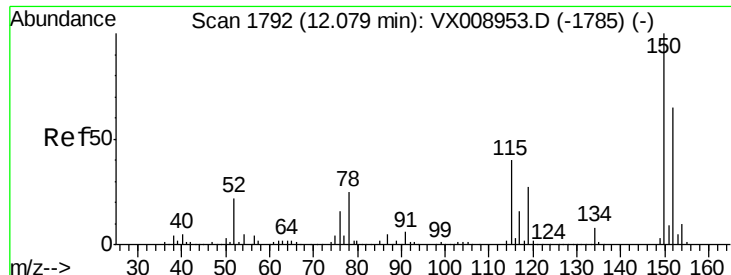
MMDadoda
4/24/2019 12:03:04 PM



#71
Bromoform
Concen: 56.196 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	87387		
175	49.0		23.9	71.8
254	0.1		0.2	0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion:152 Resp: 124090

Ion Ratio Lower Upper

152 100

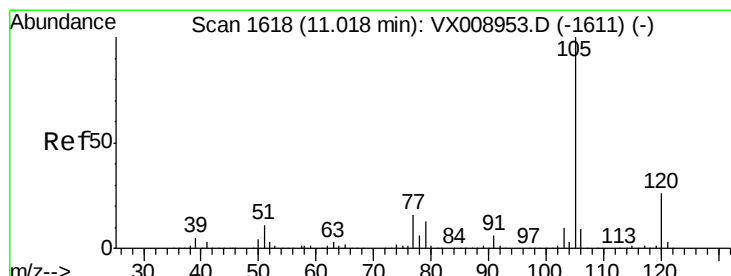
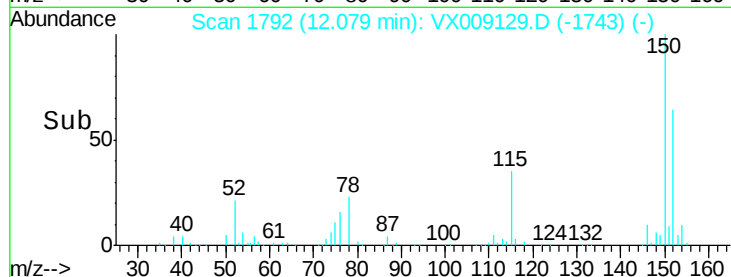
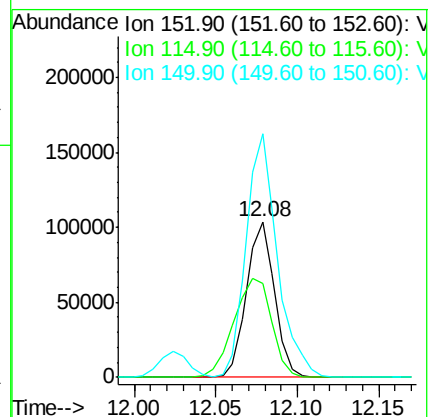
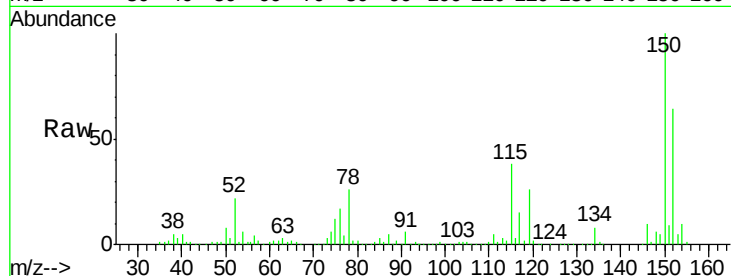
115 85.8 41.4 124.2

150 175.0 0.0 349.8

Manual Integrations
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4/24/2019 12:03:04 PM



#73

Isopropylbenzene

Concen: 54.819 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009129.D

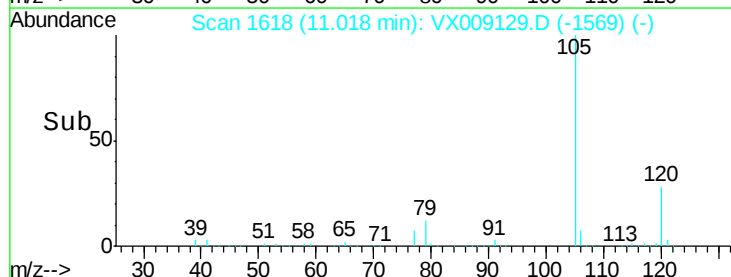
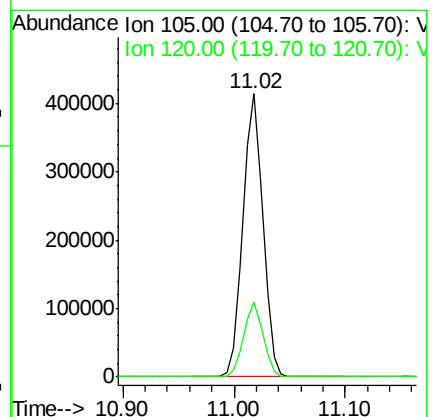
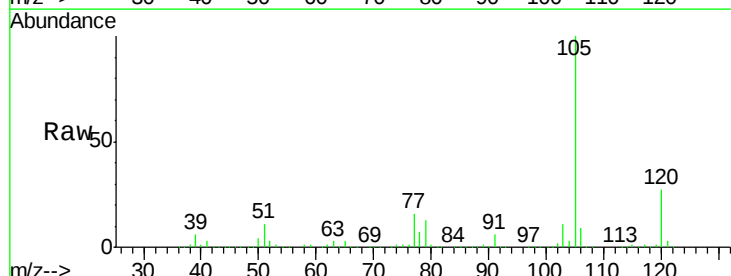
Acq: 23 Apr 2019 18:24

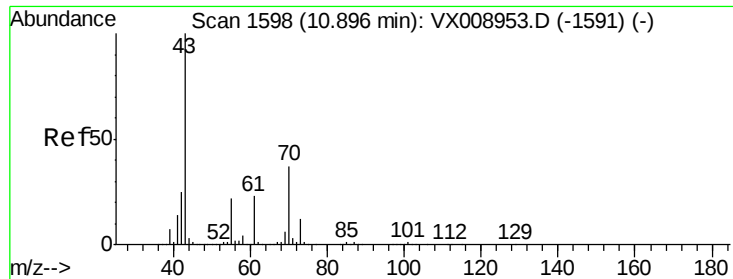
Tgt Ion:105 Resp: 515620

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7





#74

N-amvl acetate

Concen: 53.221 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

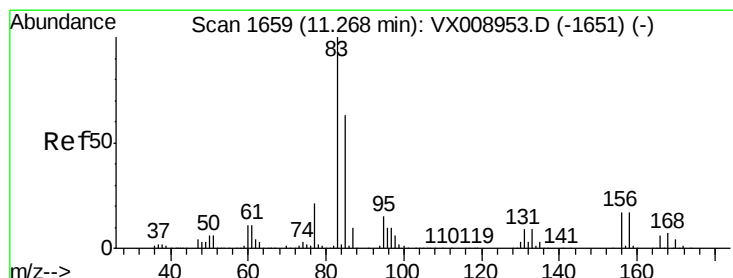
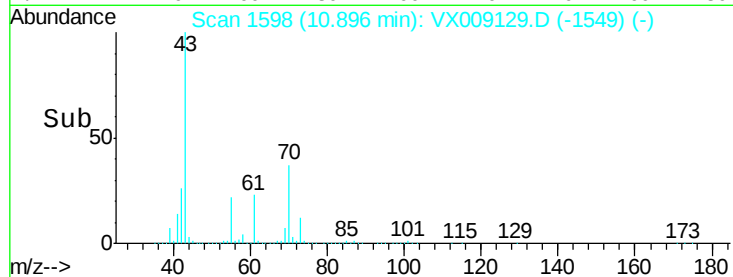
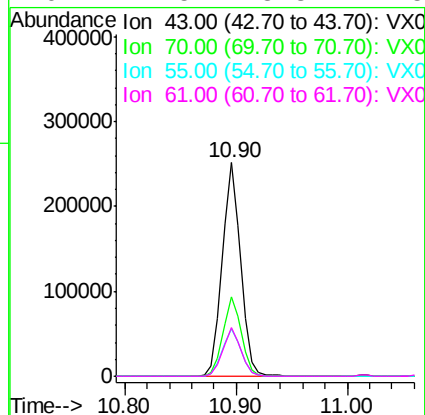
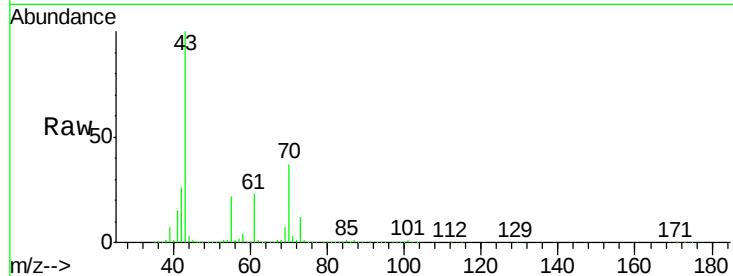
ClientSampleId :

S37-0016MSD

Tot Ion	43	Resp	287430
Ion	Ratio	Lower	Upper
43	100		
70	37.1	29.9	44.9
55	22.5	17.8	26.8
61	22.5	18.3	27.5

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 55.734 ug/l

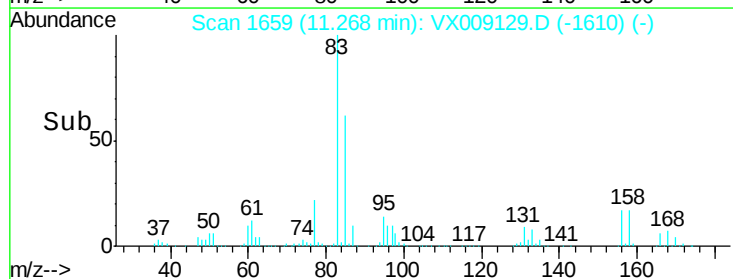
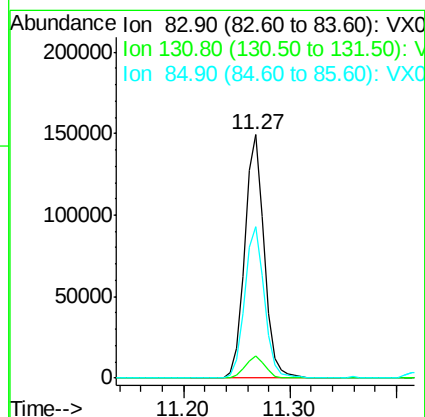
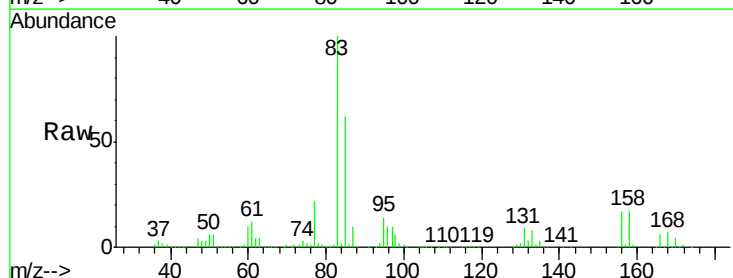
RT: 11.27 min Scan# 1659

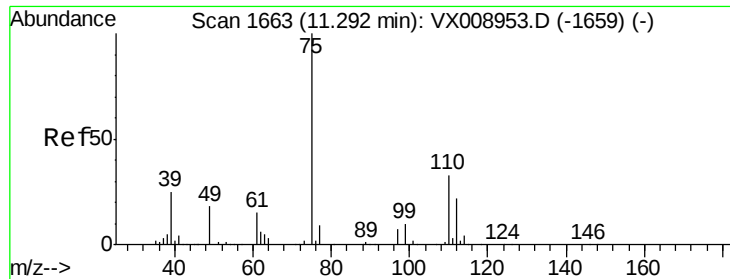
Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion	83	Resp	191541
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	63.2	31.9	95.9





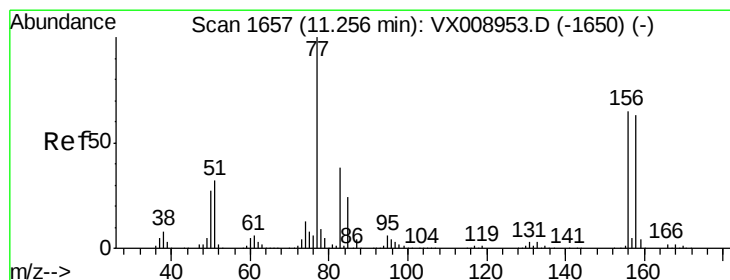
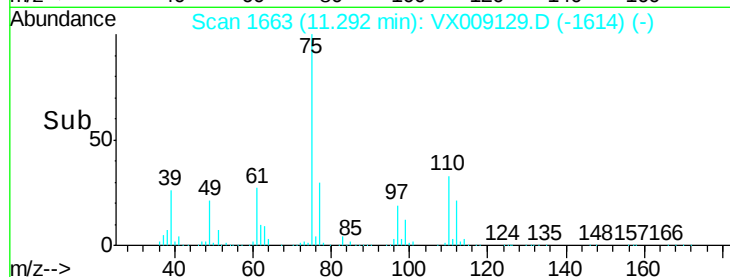
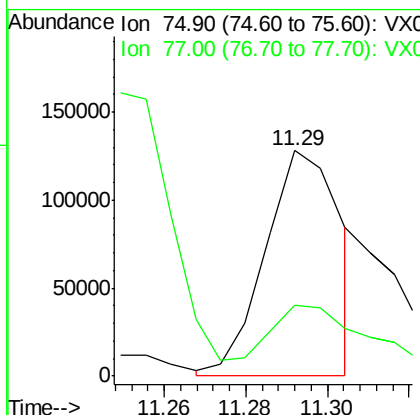
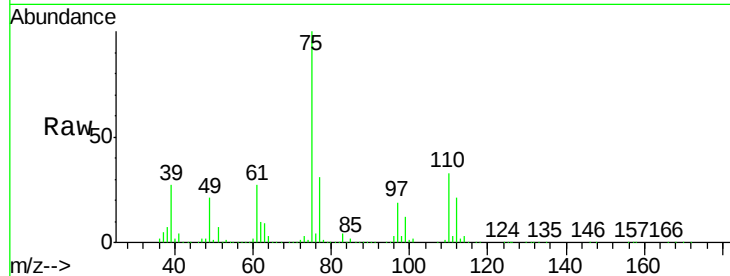
#76
 1,2,3-Trichloropropane
 Concen: 54.243 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion: 75 Resp: 164358
 Ion Ratio Lower Upper
 75 100
 77 43.9 22.7 68.0

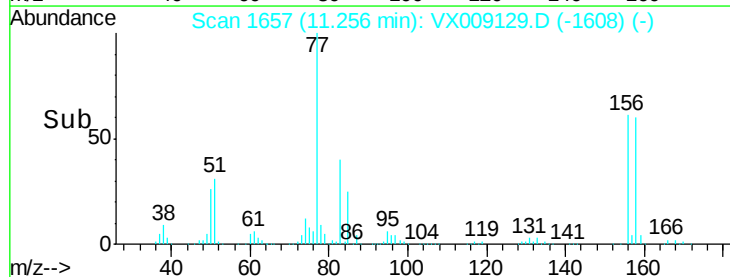
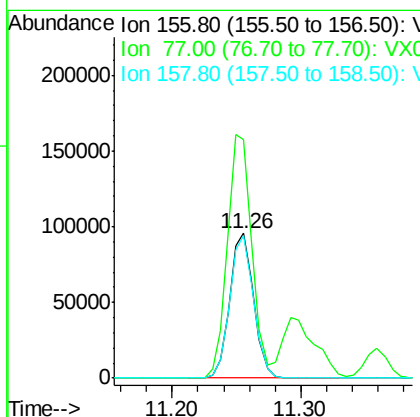
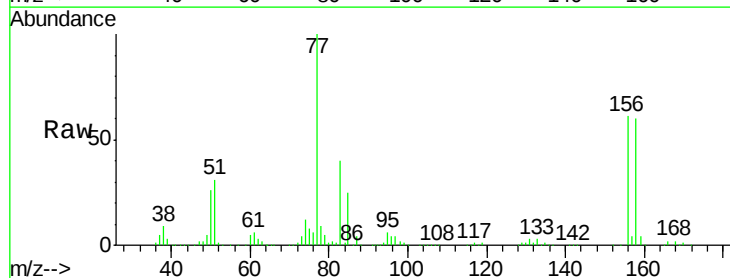
Manual Integrations
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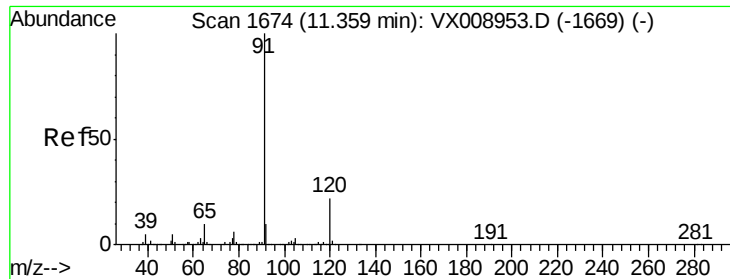
MMDadoda
 4/24/2019 12:03:04 PM



#77
 Bromobenzene
 Concen: 52.365 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion: 156 Resp: 124271
 Ion Ratio Lower Upper
 156 100
 77 172.5 85.4 256.1
 158 98.5 48.8 146.4





#78

n-propylbenzene

Concen: 55.788 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 91 Resp: 602282

Ion Ratio Lower Upper

91 100

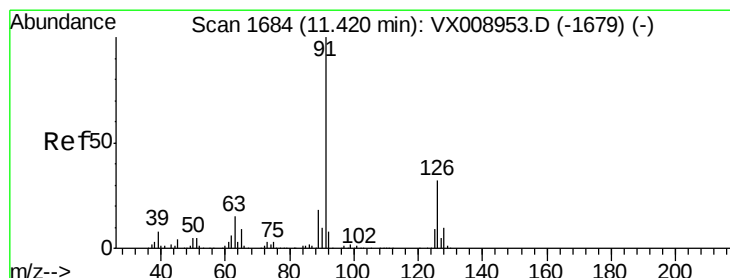
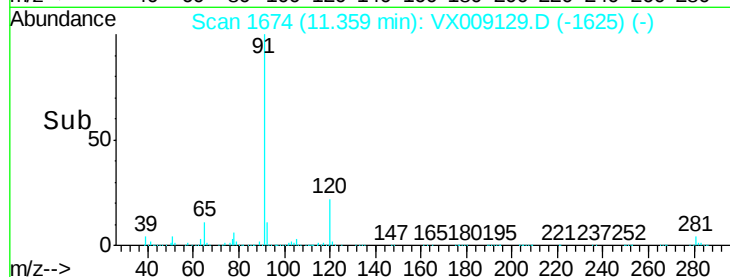
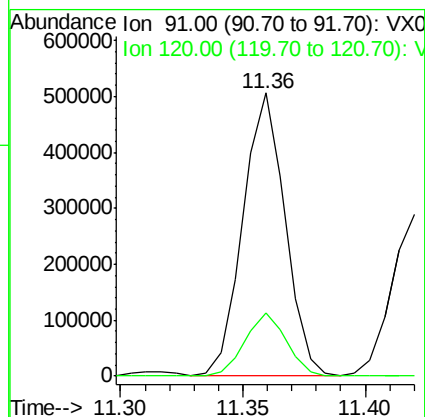
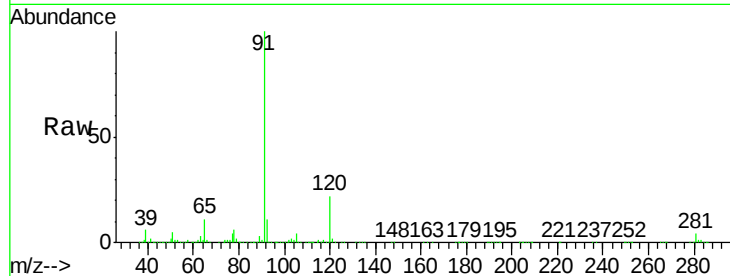
120 22.1 10.9 32.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 53.871 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009129.D

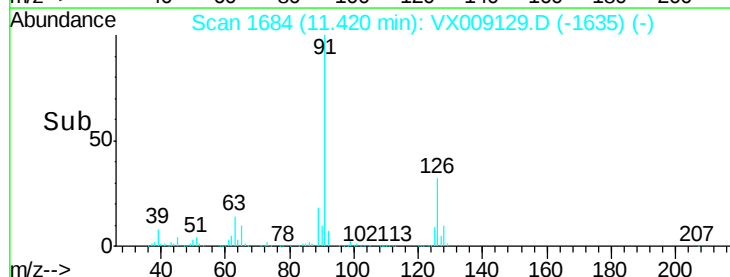
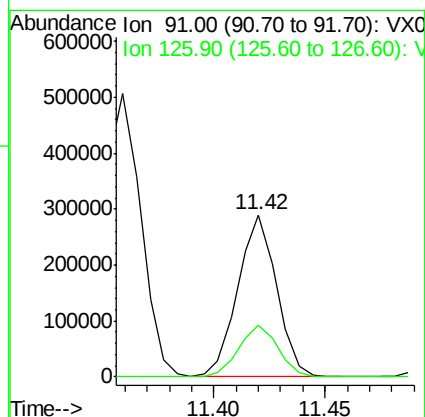
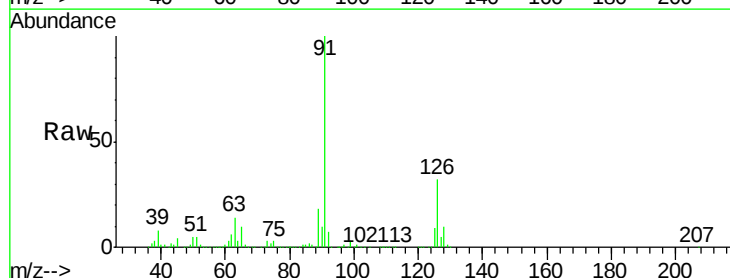
Acq: 23 Apr 2019 18:24

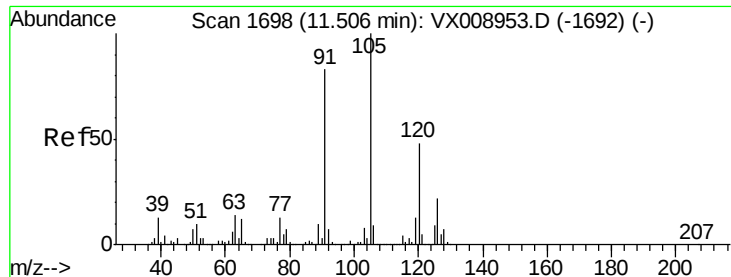
Tgt Ion: 91 Resp: 350459

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





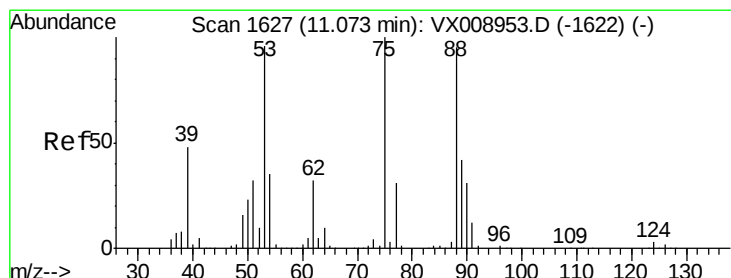
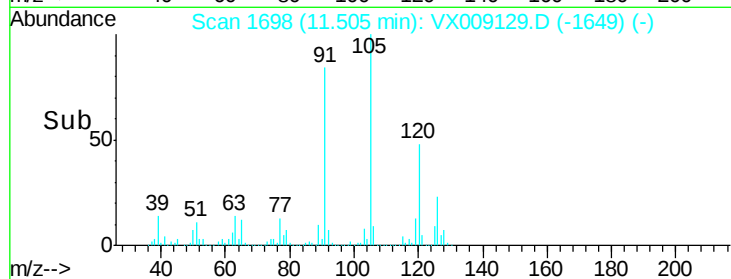
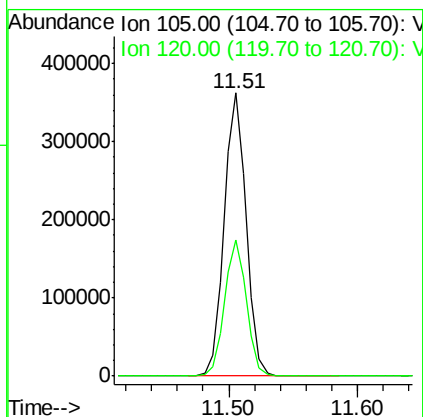
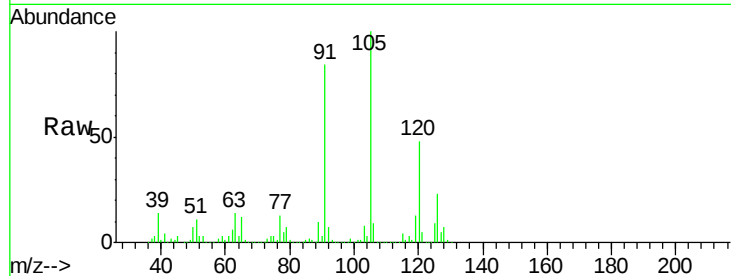
#80
 1,3,5-Trimethylbenzene
 Concen: 54.935 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.1	72.3

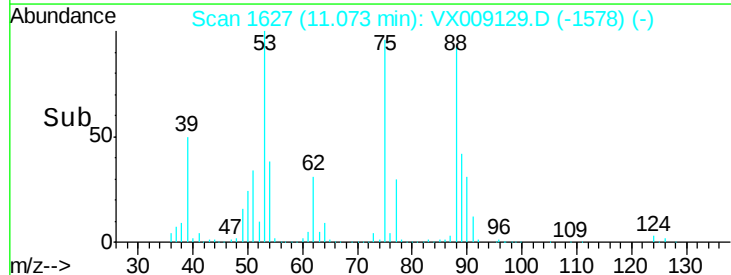
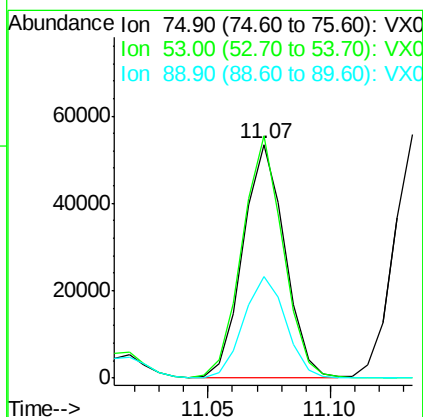
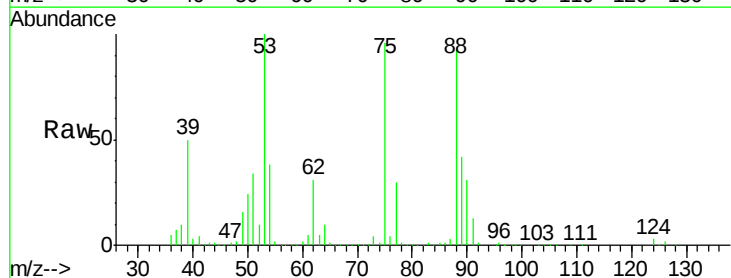
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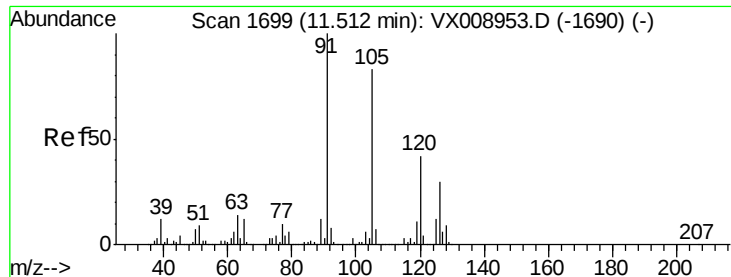
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.517 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.9	78.2	117.4
89	44.3	36.0	54.0





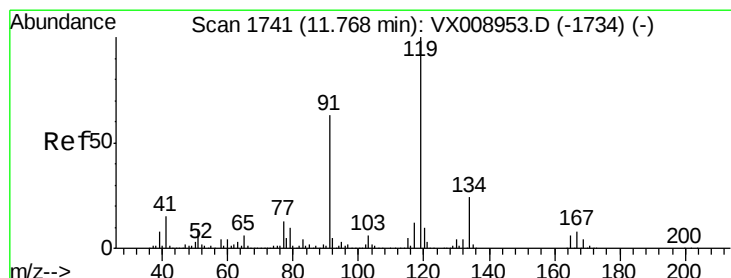
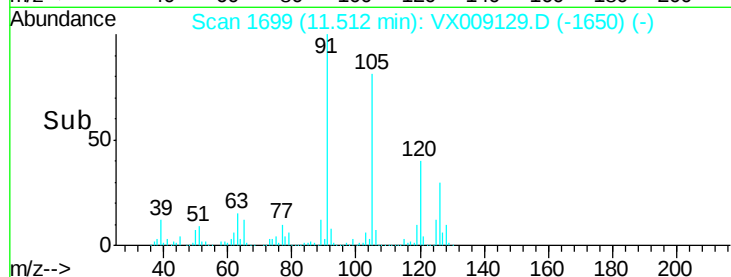
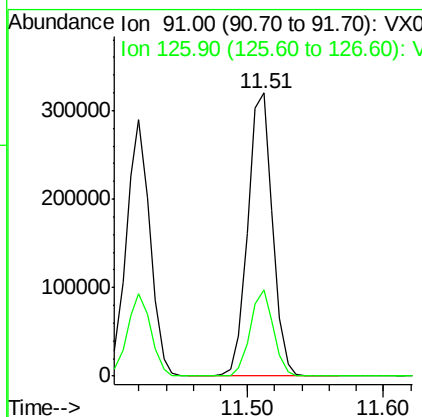
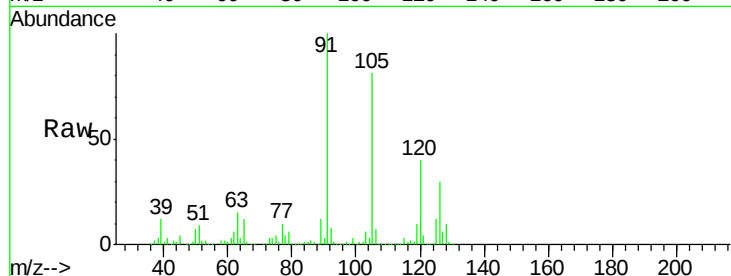
#82
4-Chlorotoluene
Concen: 53.773 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion: 91 Resp: 406276
Ion Ratio Lower Upper
91 100
126 28.8 14.3 42.9

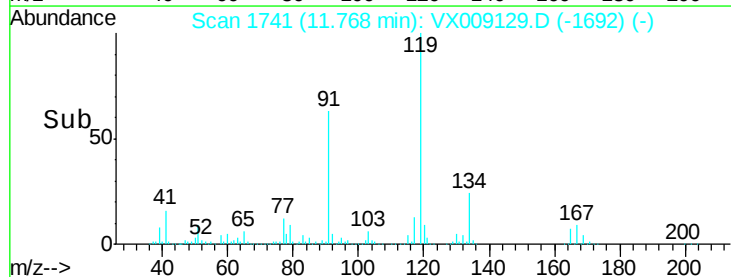
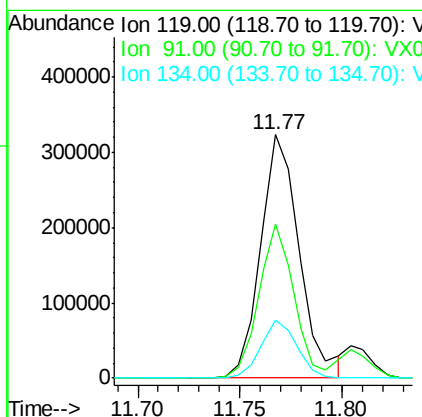
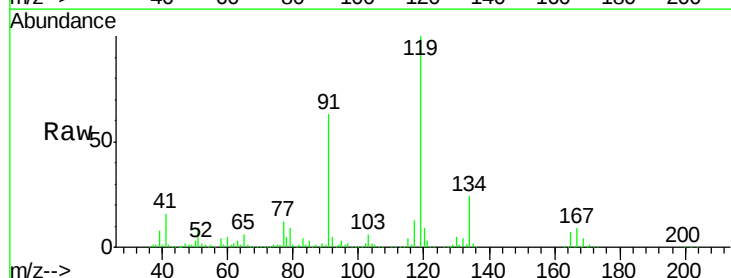
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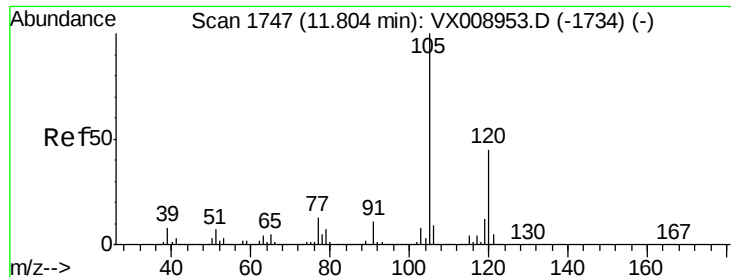
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#83
tert-Butylbenzene
Concen: 56.454 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion: 119 Resp: 427810
Ion Ratio Lower Upper
119 100
91 57.4 29.7 89.1
134 22.1 11.2 33.5





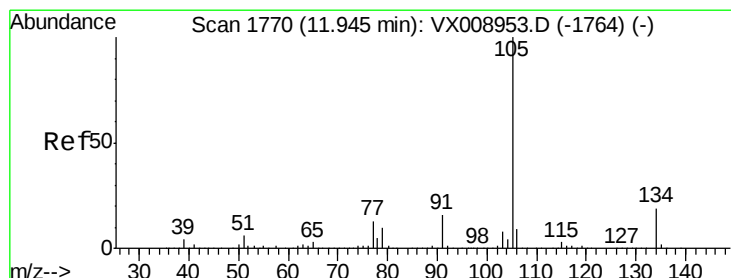
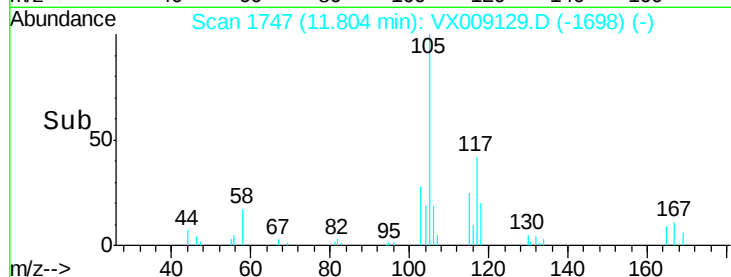
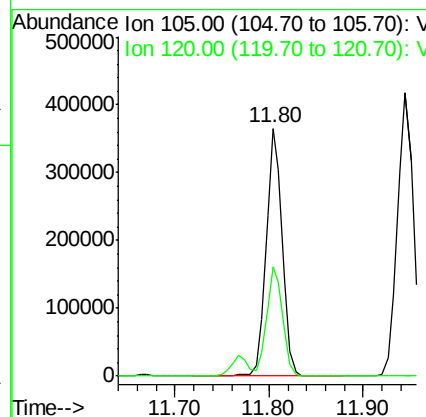
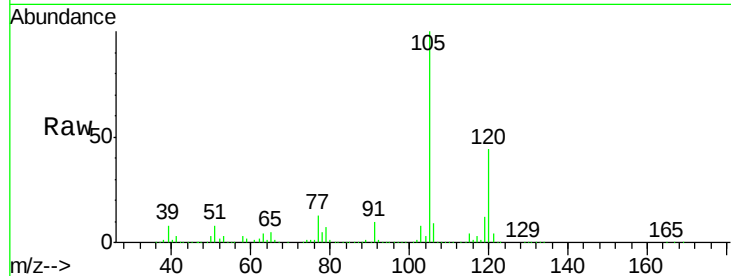
#84
 1,2,4-Trimethylbenzene
 Concen: 54.825 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.8

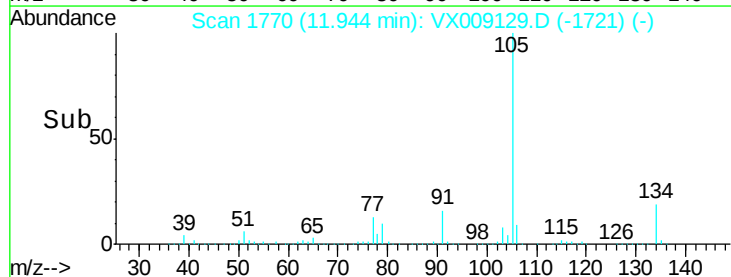
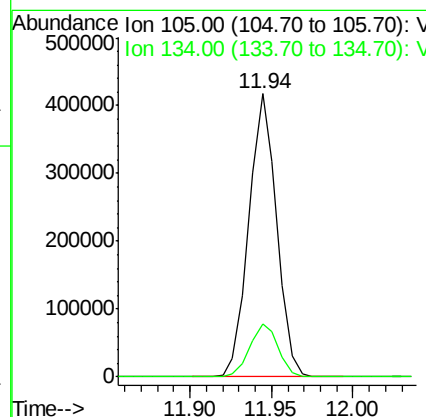
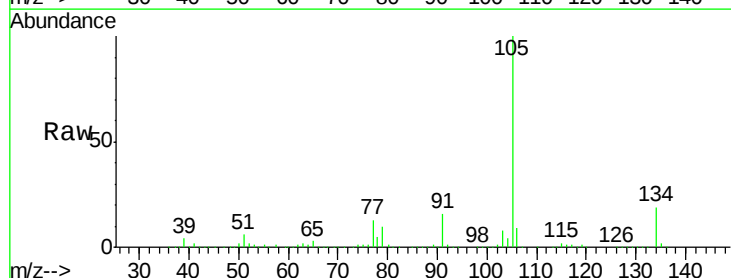
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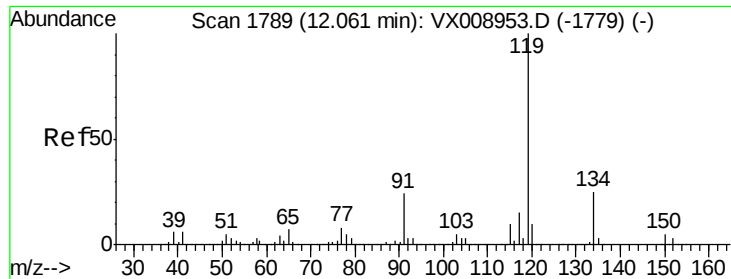
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#85
 sec-Butylbenzene
 Concen: 54.805 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.6





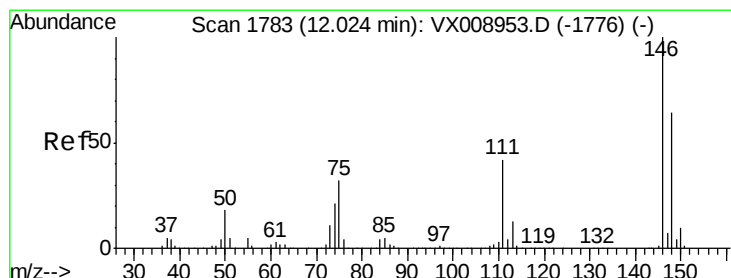
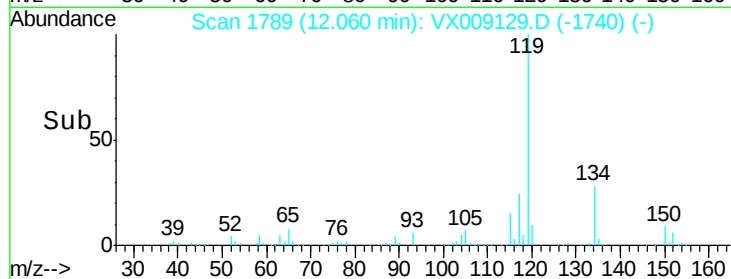
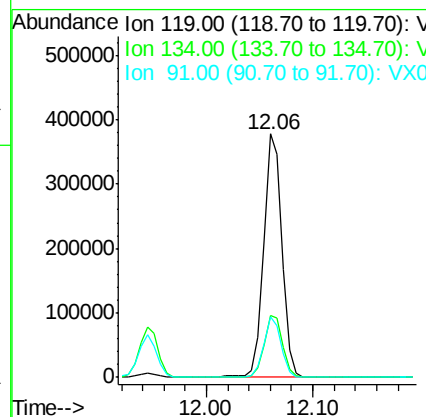
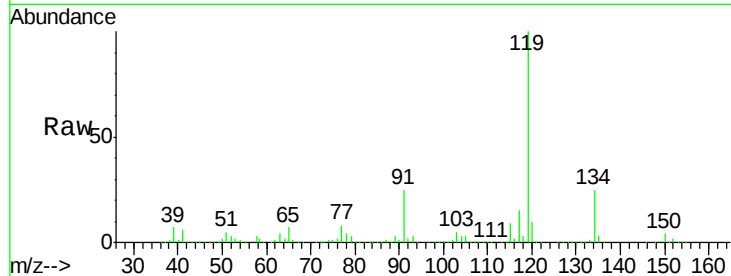
#86
 p-Isopropyltoluene
 Concen: 54.558 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	24.0	11.9	35.5

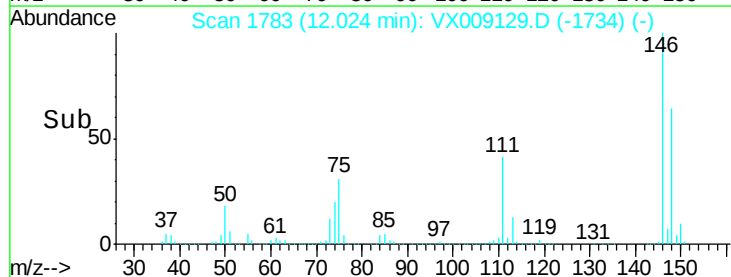
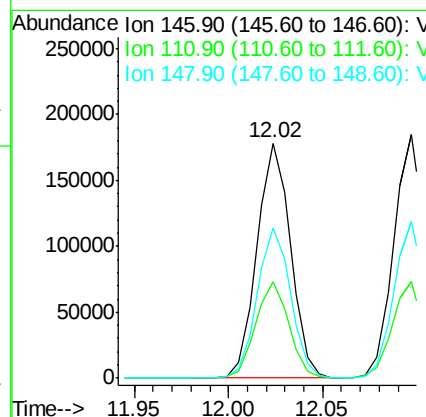
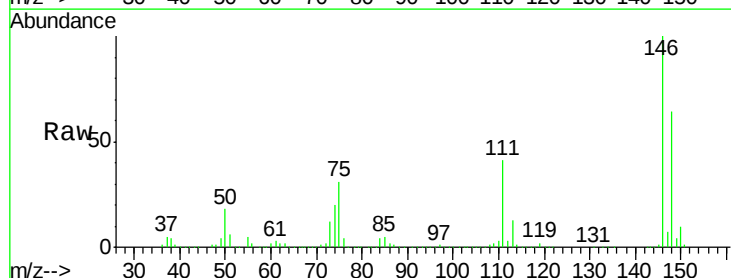
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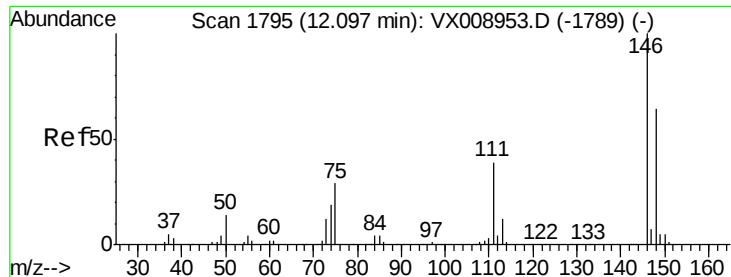
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#87
 1,3-Dichlorobenzene
 Concen: 52.919 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.6
148	63.8	32.2	96.6





#88

1,4-Dichlorobenzene

Concen: 51.962 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

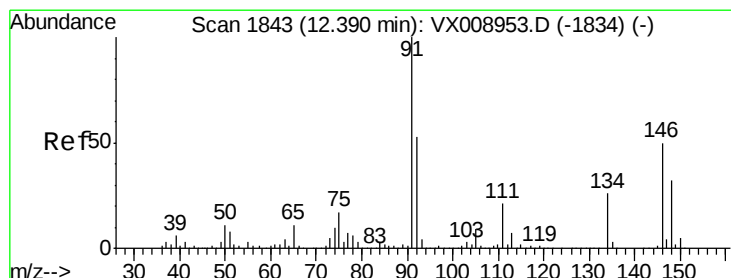
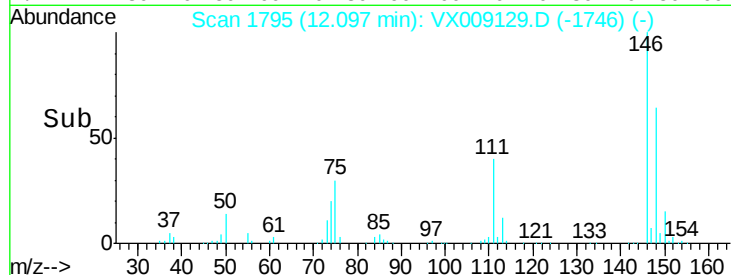
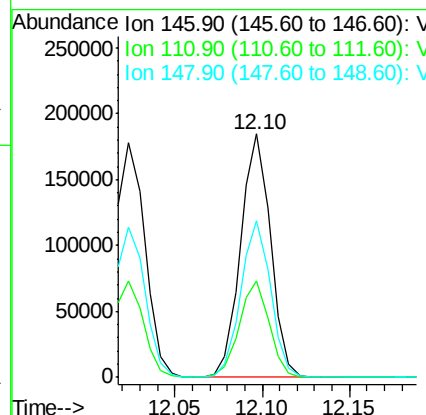
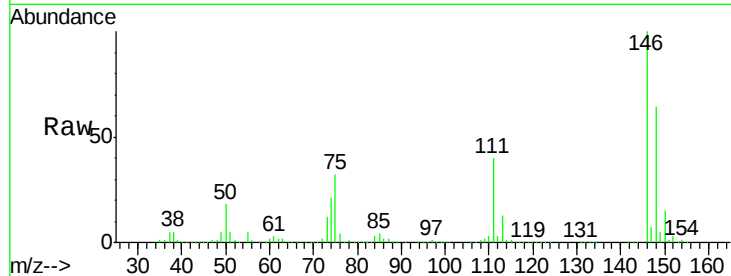
ClientSampleId :

S37-0016MSD

Tot Ion:	146	Resp:	218787
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.0	59.9
148	64.5	32.2	96.6

Manual Integrations
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#89

n-Butylbenzene

Concen: 54.253 ug/l

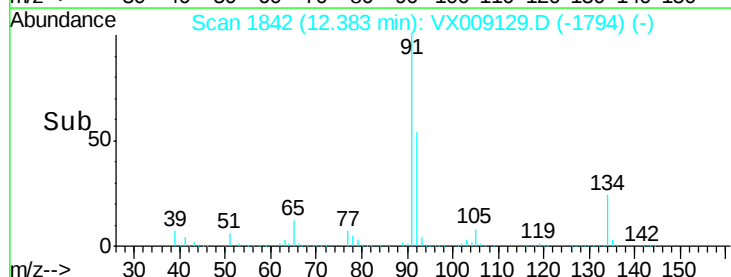
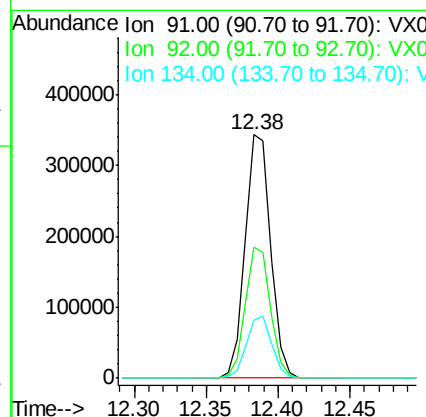
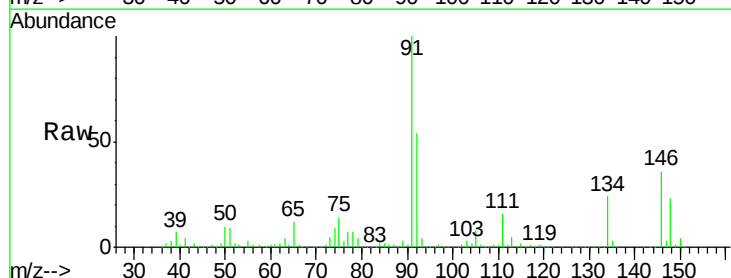
RT: 12.38 min Scan# 1842

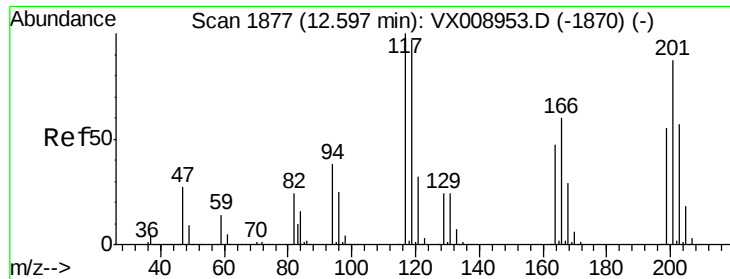
Delta R.T. -0.01 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	91	Resp:	419838
Ion Ratio	Lower	Upper	
91	100		
92	53.2	26.6	79.8
134	25.1	12.4	37.2





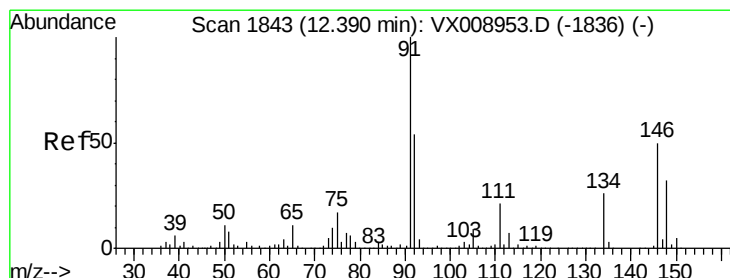
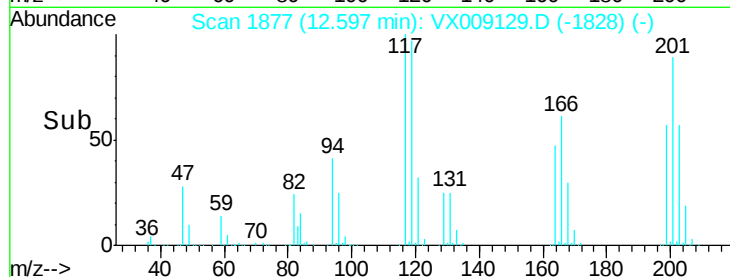
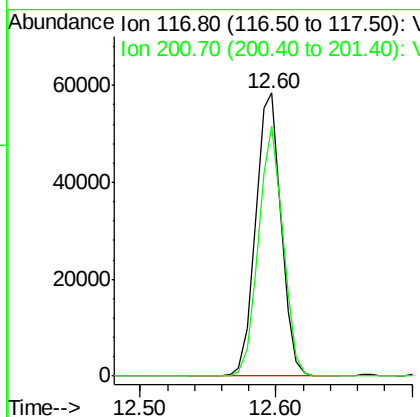
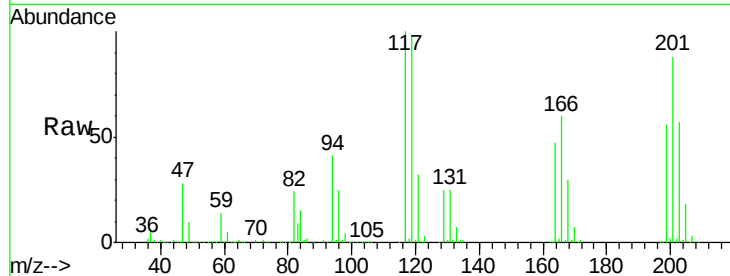
#90
Hexachloroethane
Concen: 56.058 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion:117 Resp: 76837
Ion Ratio Lower Upper
117 100
201 85.3 43.0 129.0

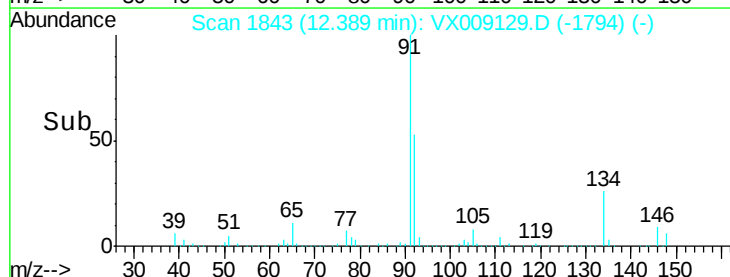
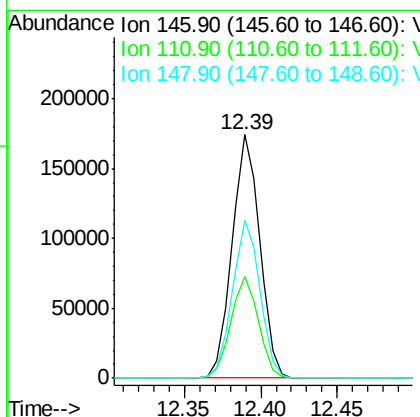
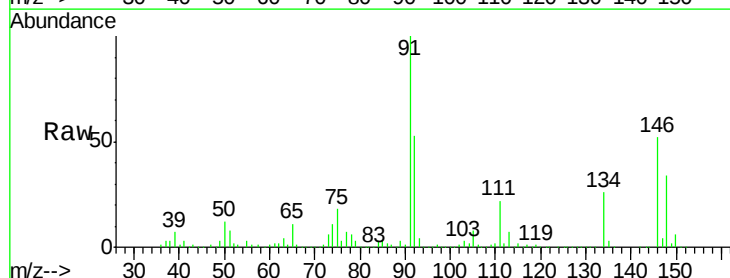
Manual Integrations
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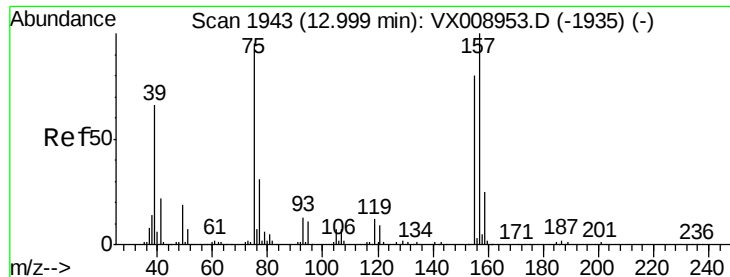
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#91
1,2-Dichlorobenzene
Concen: 53.255 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009129.D
Acq: 23 Apr 2019 18:24

Tgt Ion:146 Resp: 218429
Ion Ratio Lower Upper
146 100
111 41.5 20.6 61.9
148 64.4 32.0 96.2





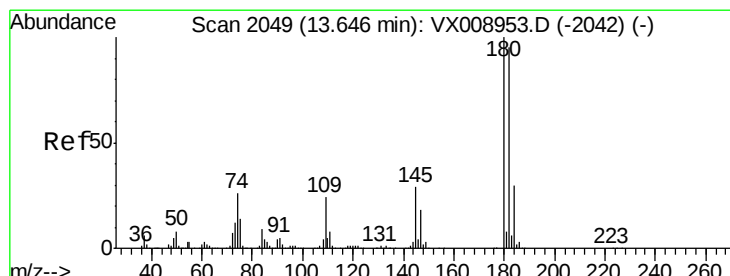
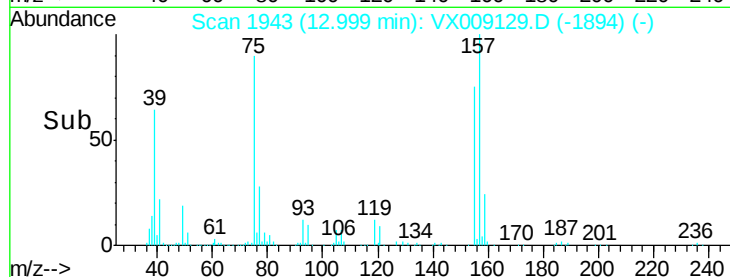
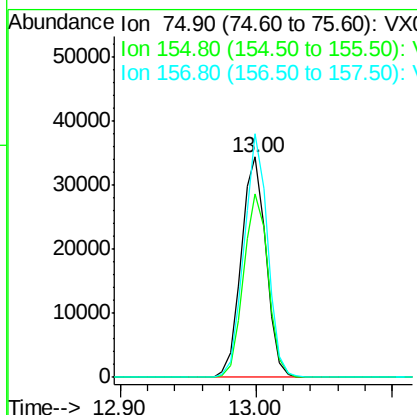
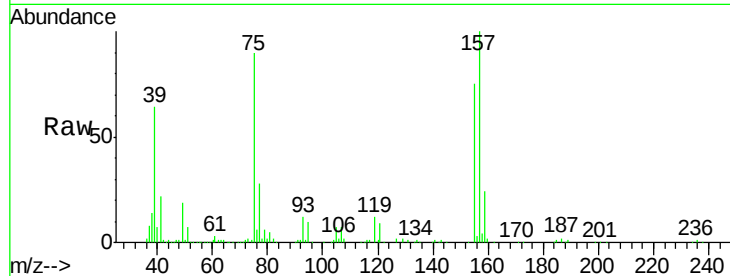
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.898 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	82.6	41.2	123.6
157	104.6	52.5	157.6

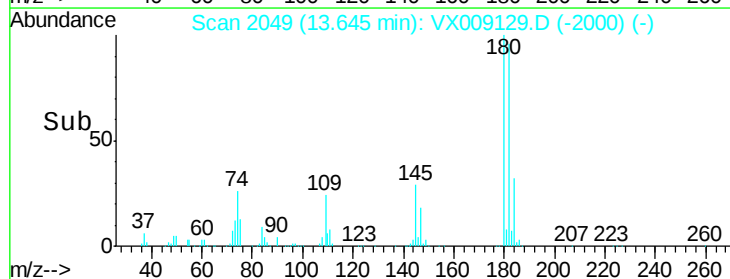
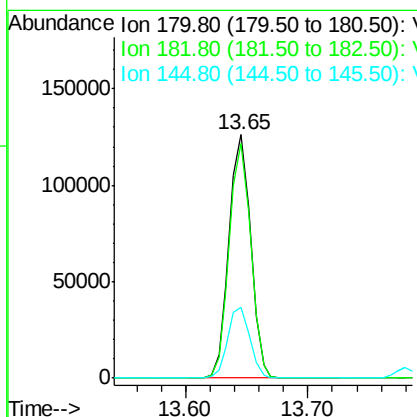
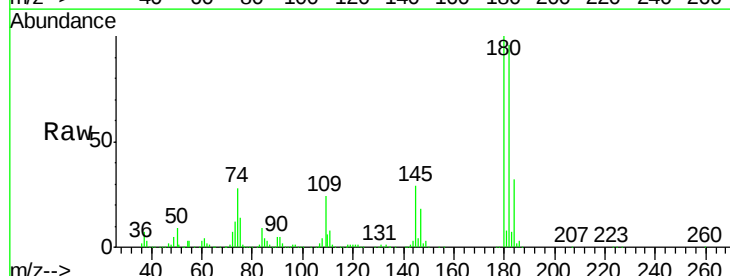
Manual Integrations
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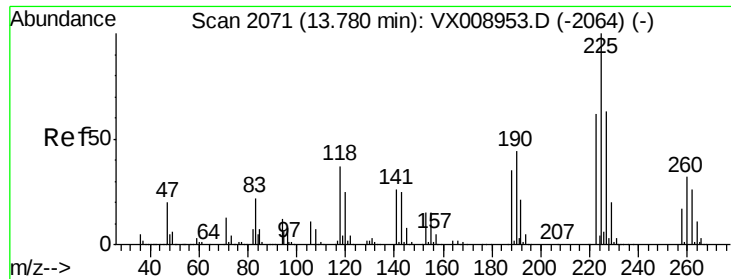
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 52.163 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.9
145	29.9	14.8	44.4





#94

Hexachlorobutadiene

Concen: 53.052 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Instrument :

MSVOA_X

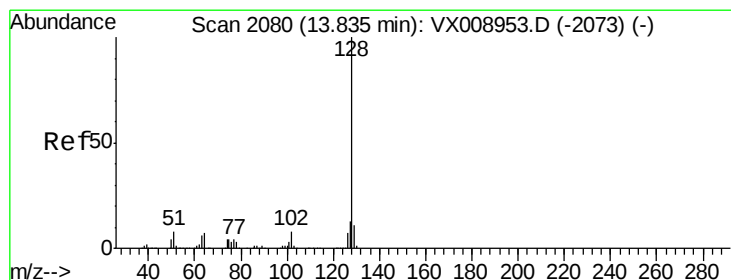
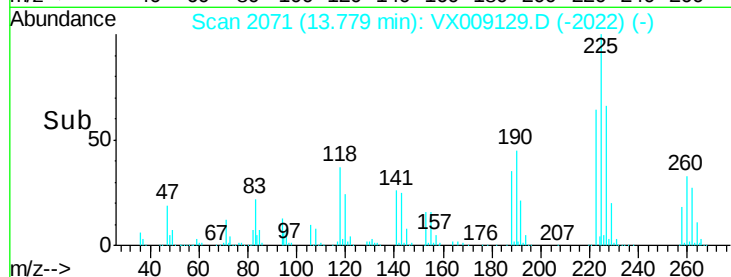
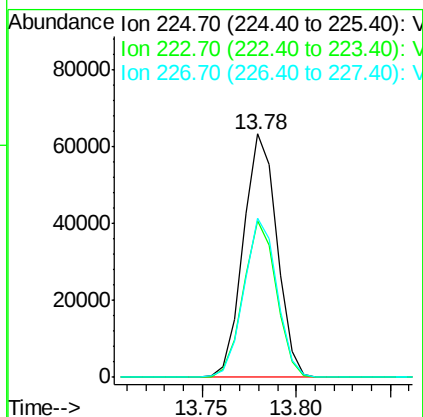
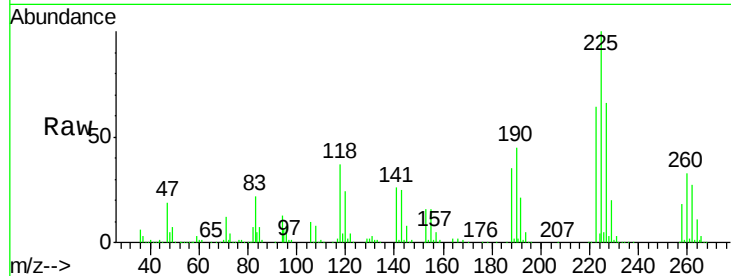
ClientSampleId :

S37-0016MSD

Tot Ion:	225	Resp:	78341
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.1	93.2
227	64.2	32.0	96.2

Manual Integrations
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#95

Naphthalene

Concen: 55.002 ug/l

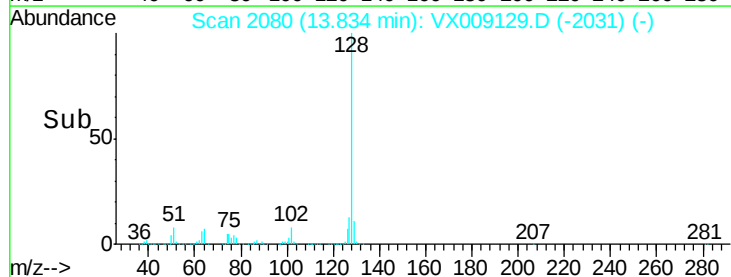
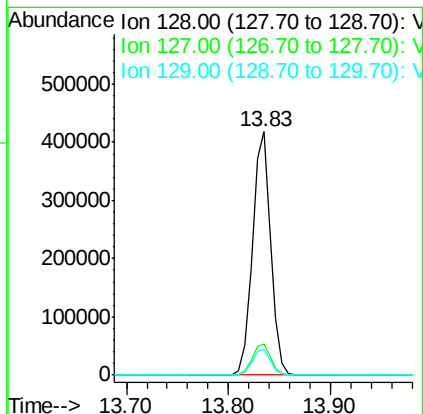
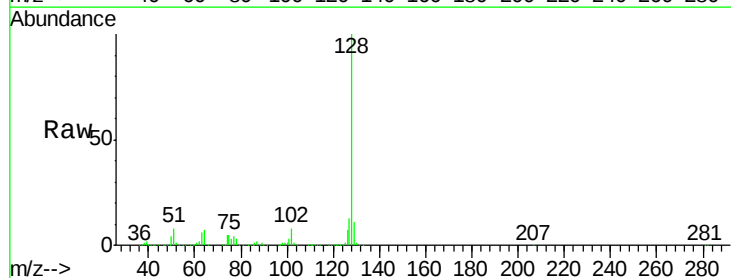
RT: 13.83 min Scan# 2080

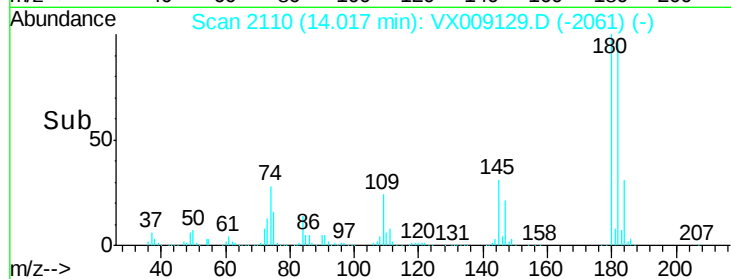
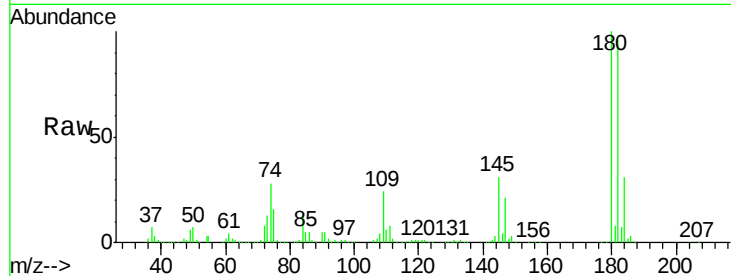
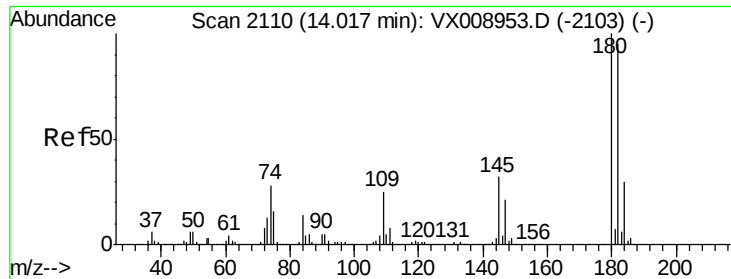
Delta R.T. -0.00 min

Lab File: VX009129.D

Acq: 23 Apr 2019 18:24

Tgt Ion:	128	Resp:	521735
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 53.433 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009129.D
 Acq: 23 Apr 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156093		
182	95.5	47.8	143.4	
145	31.5	15.8	47.3	

Manual Integrations
 APPROVED

MMDadoda
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