

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009904.D
 Acq On : 28 May 2019 10:20
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:24:42 AM

Quant Time: May 29 03:53:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	169913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	271123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	13108	5.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.40%	
35) Dibromofluoromethane	5.50	113	9280	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	
50) Toluene-d8	8.71	98	36462	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	
62) 4-Bromofluorobenzene	11.13	95	12207	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	8498	5.019	ug/l	97
3) Chloromethane	1.32	50	12950	5.770	ug/l	97
4) Vinyl Chloride	1.41	62	11736	5.420	ug/l	98
5) Bromomethane	1.64	94	7621	5.873	ug/l	97
6) Chloroethane	1.71	64	7439	5.438	ug/l	97
7) Trichlorofluoromethane	1.92	101	13296	5.133	ug/l	99
8) Diethyl Ether	2.19	74	6614	5.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	8502	5.288	ug/l	99
10) Methyl Iodide	2.51	142	6423	3.768	ug/l	96
11) Tert butyl alcohol	3.06	59	15687	28.854	ug/l	96
12) 1,1-Dichloroethene	2.37	96	8430	5.236	ug/l	99
13) Acrolein	2.29	56	4795	10.123	ug/l	86
14) Allyl chloride	2.73	41	20467	5.184	ug/l	98
15) Acrylonitrile	3.14	53	35034	26.400	ug/l	100
16) Acetone	2.45	43	32698	25.791	ug/l	99
17) Carbon Disulfide	2.57	76	24814	5.417	ug/l	100
18) Methyl Acetate	2.78	43	15257	5.110	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	32066	5.151	ug/l	98
20) Methylene Chloride	2.85	84	10621	5.233	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	9354	5.371	ug/l	97
22) Diisopropyl ether	3.85	45	39781	5.266	ug/l	98
23) Vinyl Acetate	3.82	43	171546	26.403	ug/l	99
24) 1,1-Dichloroethane	3.70	63	19319	5.197	ug/l	97
25) 2-Butanone	4.68	43	52088	26.495	ug/l	99
26) 2,2-Dichloropropane	4.59	77	14802	5.344	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	10640	5.134	ug/l	98
28) Bromochloromethane	5.02	49	10108	6.001	ug/l	98
29) Tetrahydrofuran	5.13	42	33383	26.447	ug/l	98
30) Chloroform	5.21	83	17526	5.224	ug/l	94
31) Cyclohexane	5.58	56	18611	5.316	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	14220	5.080	ug/l	96
36) 1,1-Dichloropropene	5.80	75	13778	5.402	ug/l	99
37) Ethyl Acetate	4.84	43	18677	5.222	ug/l #	94
38) Carbon Tetrachloride	5.78	117	12185	5.261	ug/l	96

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	16586	5.279	ug/l	98
40) Benzene	6.14	78	41789	5.307	ug/l	99
41) Methacrylonitrile	5.04	41	10661	5.036	ug/l	97
42) 1,2-Dichloroethane	6.19	62	15519	5.473	ug/l	97
43) Isopropyl Acetate	6.45	43	30557	5.359	ug/l	98
44) Trichloroethene	7.21	130	9702	5.104	ug/l	97
45) 1,2-Dichloropropane	7.51	63	11810	5.298	ug/l	99
46) Dibromomethane	7.66	93	6699	5.178	ug/l	97
47) Bromodichloromethane	7.90	83	12732	4.943	ug/l	98
48) Methyl methacrylate	7.77	41	14603	5.145	ug/l	100
49) 1,4-Dioxane	7.74	88	5855	103.096	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	101545	27.178	ug/l	98
52) Toluene	8.78	92	25152	5.254	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	14213	4.848	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	16362	5.062	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	9829	5.058	ug/l	95
56) Ethyl methacrylate	9.18	69	17151	4.909	ug/l	99
57) 1,3-Dichloropropane	9.37	76	18034	5.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	45766	24.953	ug/l	98
59) 2-Hexanone	9.49	43	78950	26.929	ug/l	97
60) Dibromochloromethane	9.58	129	9438	4.954	ug/l	100
61) 1,2-Dibromoethane	9.67	107	9983	5.081	ug/l	99
64) Tetrachloroethene	9.34	164	8614	5.101	ug/l	93
65) Chlorobenzene	10.13	112	25840	5.256	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	8788	4.937	ug/l	98
67) Ethyl Benzene	10.25	91	46228	5.107	ug/l	99
68) m/p-Xylenes	10.36	106	33486	10.114	ug/l	98
69) o-Xylene	10.69	106	16076	4.924	ug/l	95
70) Styrene	10.71	104	27821	4.916	ug/l	100
71) Bromoform	10.85	173	7025	4.849	ug/l #	98
73) Isopropylbenzene	11.02	105	43285	5.090	ug/l	99
74) N-amyl acetate	10.90	43	25104	5.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	16680	5.286	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	14802m	5.454	ug/l	
77) Bromobenzene	11.26	156	10570	5.013	ug/l	99
78) n-propylbenzene	11.36	91	49101	5.046	ug/l	99
79) 2-Chlorotoluene	11.42	91	30677	5.107	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	36779	5.129	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5212	4.888	ug/l	92
82) 4-Chlorotoluene	11.51	91	35656	5.250	ug/l	99
83) tert-Butylbenzene	11.77	119	35665	5.122	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	37766	5.247	ug/l	97
85) sec-Butylbenzene	11.94	105	41688	5.048	ug/l	100
86) p-Isopropyltoluene	12.06	119	36842	4.957	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	19133	5.093	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	19666	5.190	ug/l	96
89) n-Butylbenzene	12.38	91	32692	4.846	ug/l	100
90) Hexachloroethane	12.60	117	6142	4.859	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	19343	5.072	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3786	5.350	ug/l	94

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MSVOA_X
ClientSampleId :
VSTDICC005

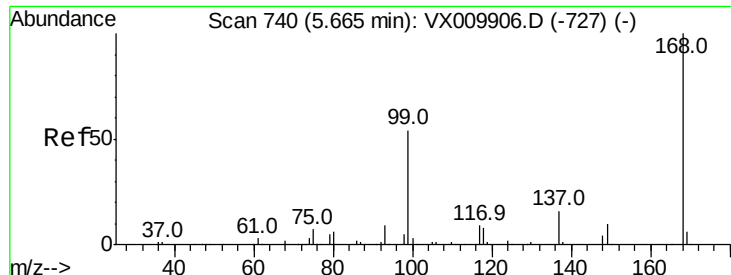
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	12502	4.780	ug/l	99
94) Hexachlorobutadiene	13.78	225	6816	5.091	ug/l	97
95) Naphthalene	13.83	128	39014	4.618	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	12791	4.836	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 169913

Ion Ratio Lower Upper

168 100

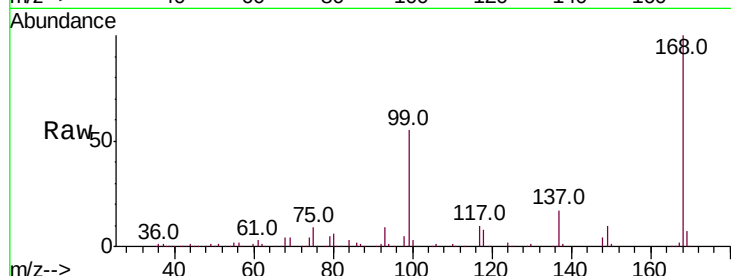
99 55.2 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

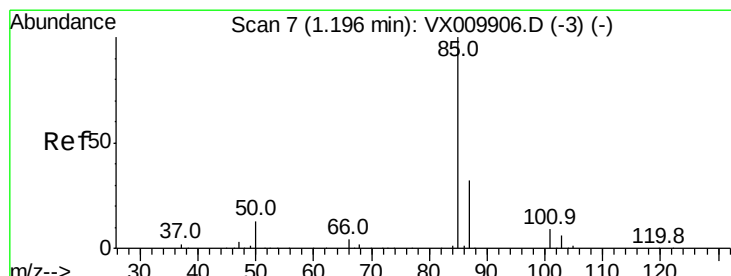
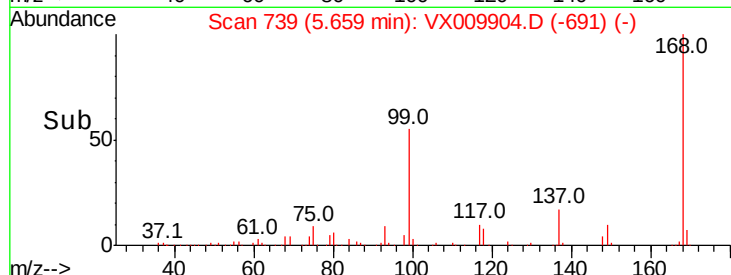
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.019 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009904.D

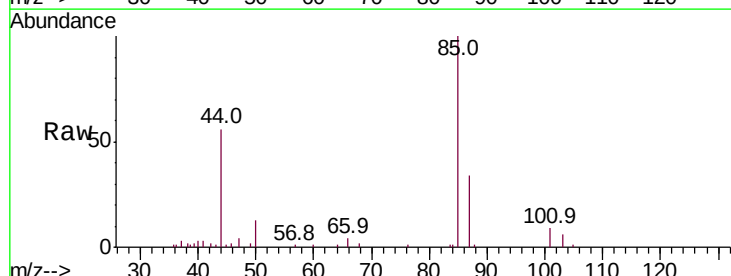
Acq: 28 May 2019 10:20

Tgt Ion: 85 Resp: 8498

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

8000

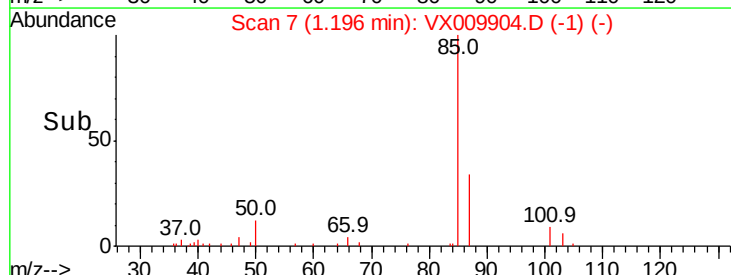
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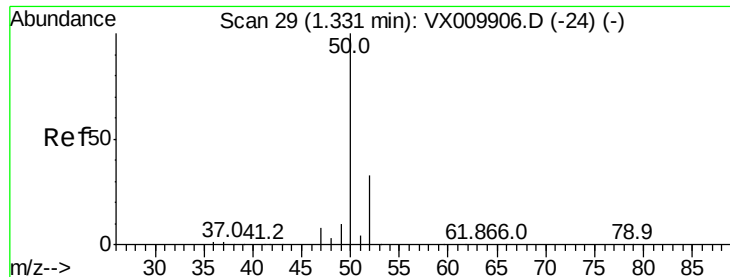
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.770 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12950

Ion Ratio Lower Upper

50 100

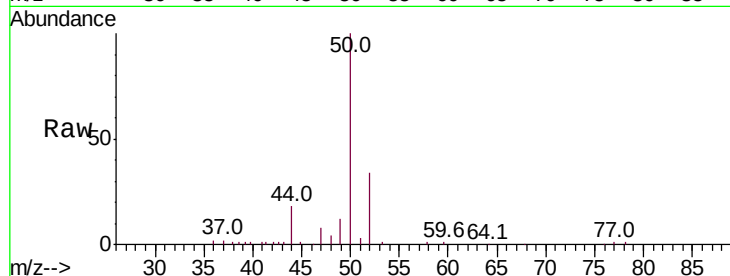
52 33.9 26.0 39.0

Manual Integrations

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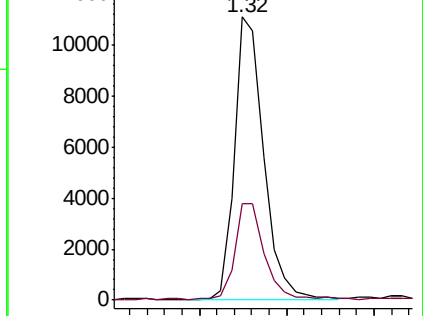
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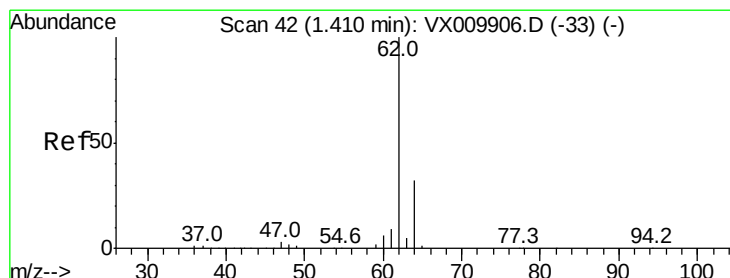
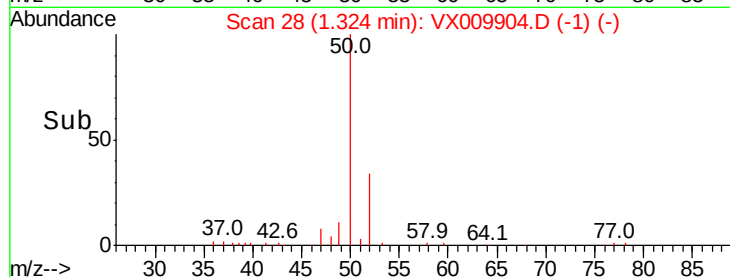


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 5.420 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009904.D

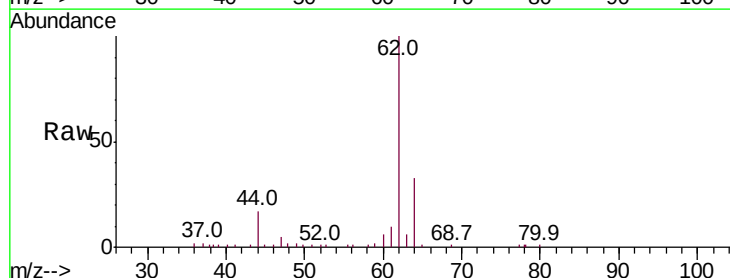
Acq: 28 May 2019 10:20

Tgt Ion: 62 Resp: 11736

Ion Ratio Lower Upper

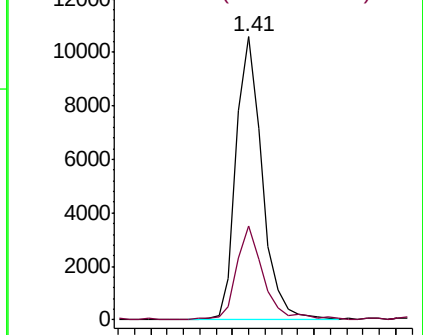
62 100

64 33.0 25.7 38.5

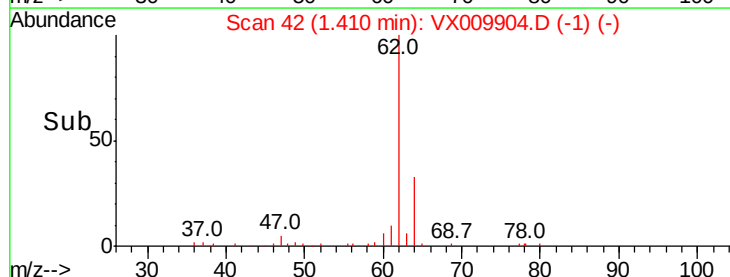


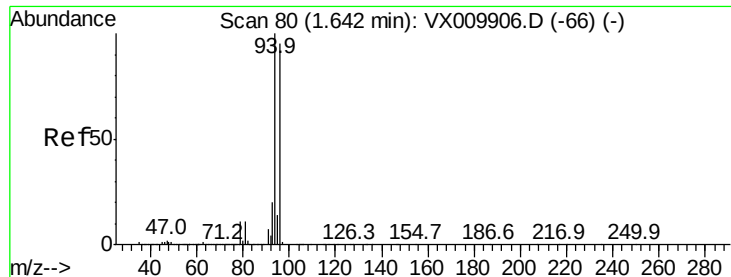
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 5.873 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7621

Ion Ratio Lower Upper

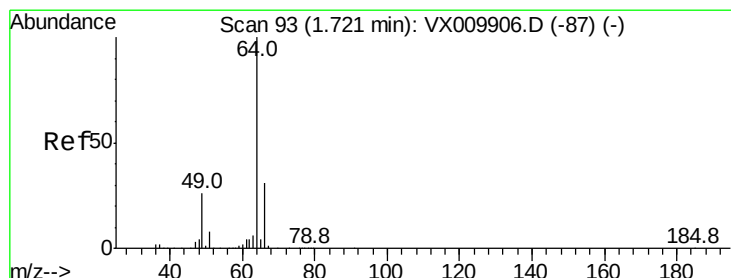
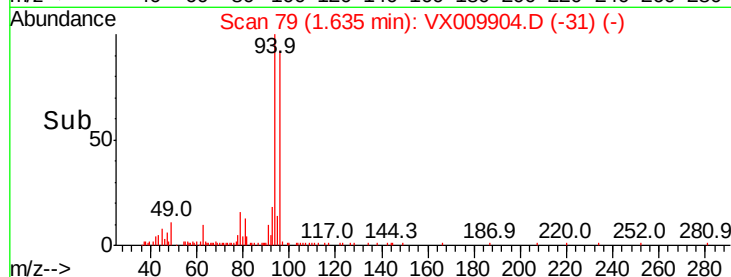
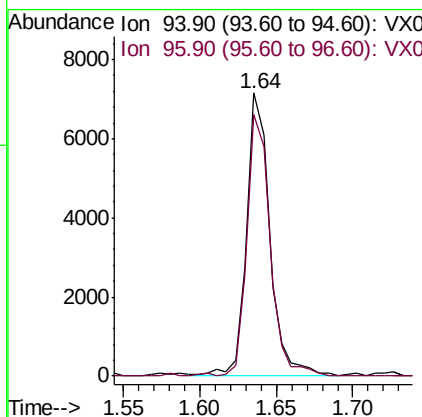
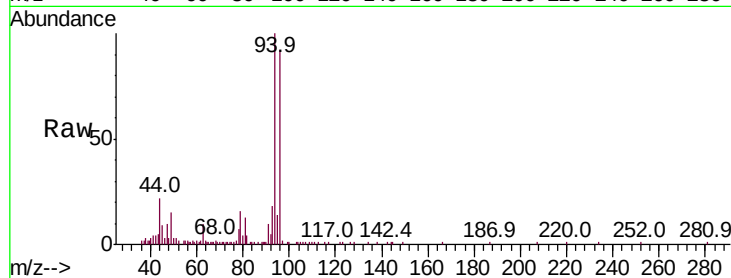
94 100

96 92.3 76.2 114.4

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#6

Chloroethane

Concen: 5.438 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009904.D

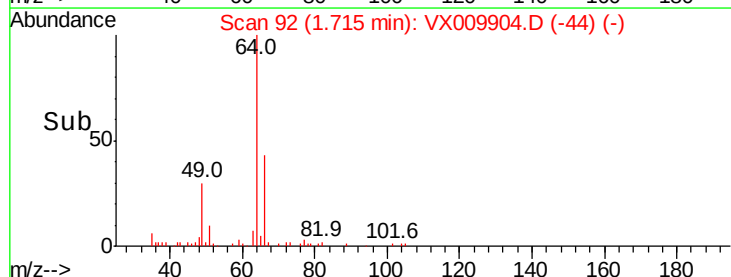
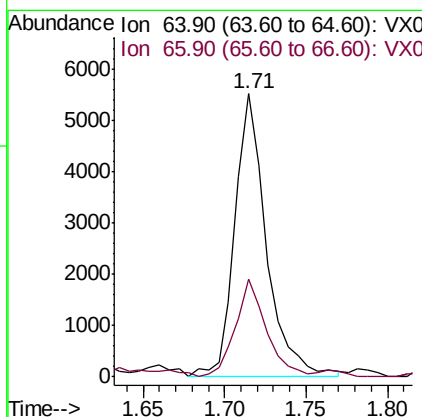
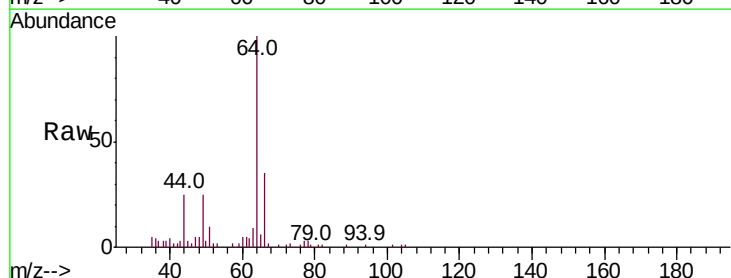
Acq: 28 May 2019 10:20

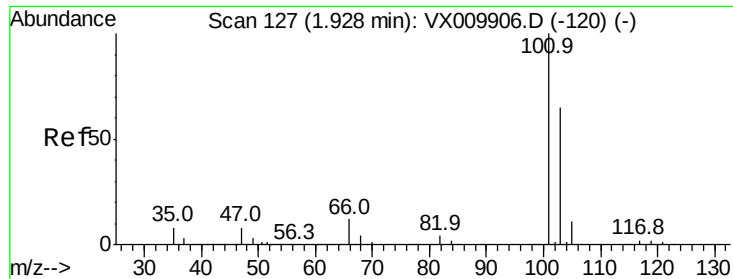
Tgt Ion: 64 Resp: 7439

Ion Ratio Lower Upper

64 100

66 33.2 25.1 37.7





#7

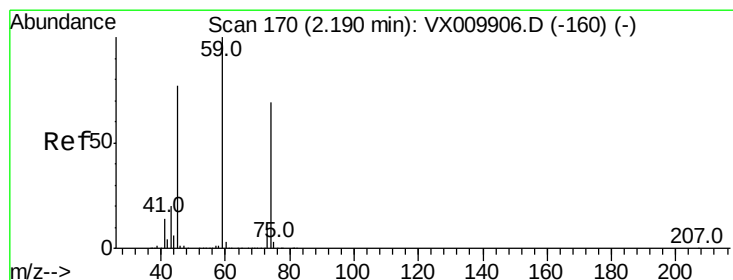
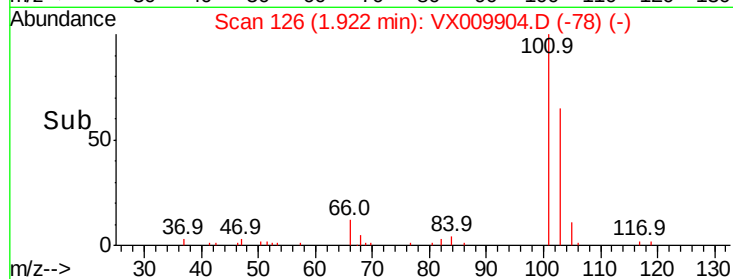
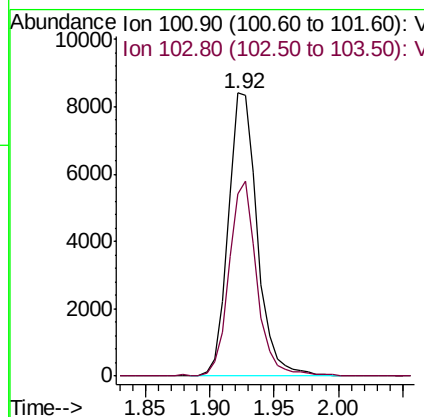
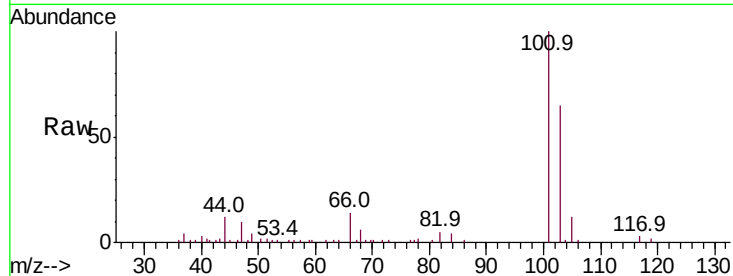
Trichlorofluoromethane
 Concen: 5.133 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 13296
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.4

Manual Integrations
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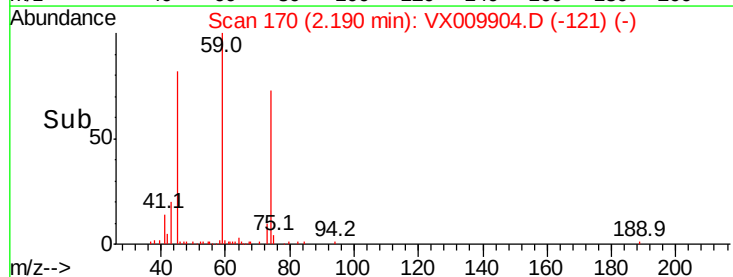
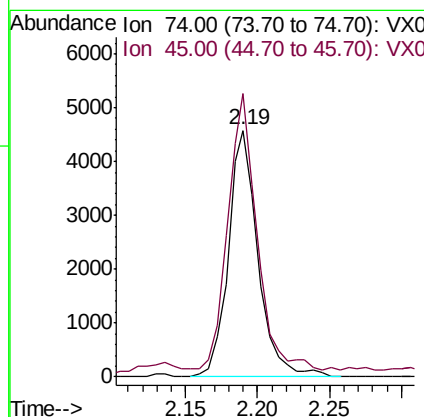
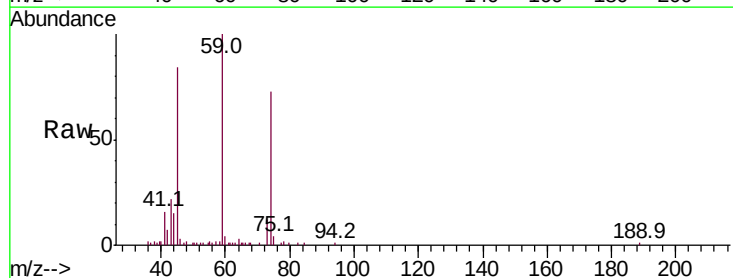
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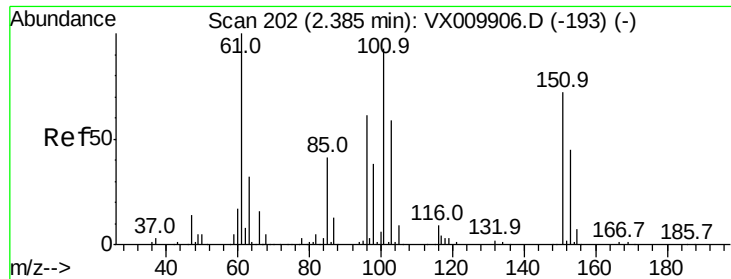


#8

Diethyl Ether
 Concen: 5.455 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion: 74 Resp: 6614
 Ion Ratio Lower Upper
 74 100
 45 110.9 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.288 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

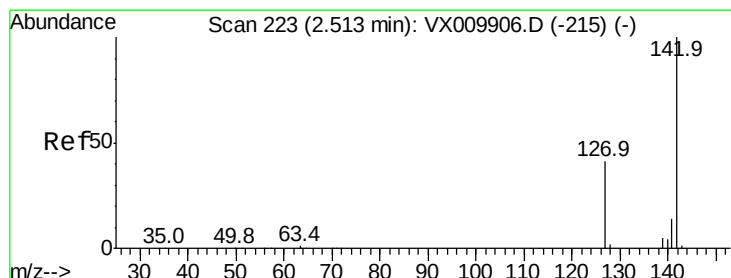
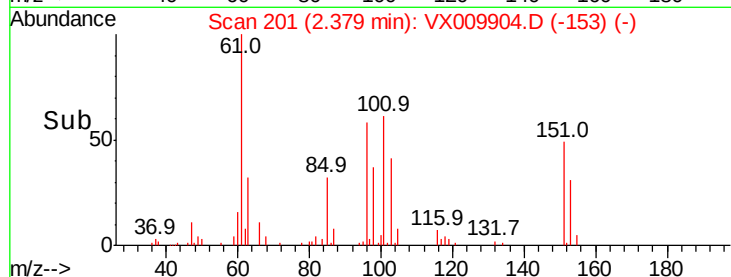
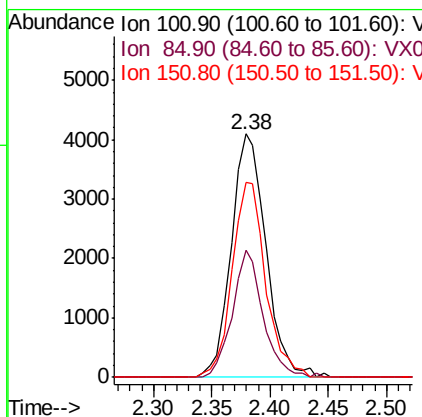
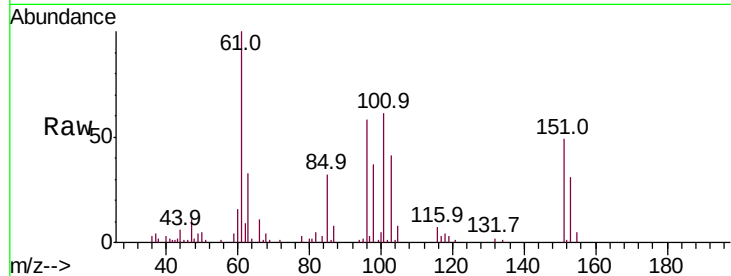
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	8502
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.2	52.8
151	77.3	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 3.768 ug/l

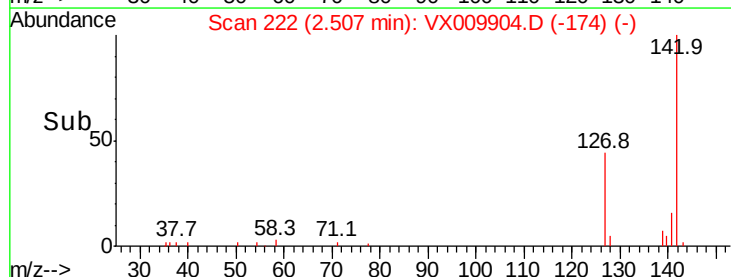
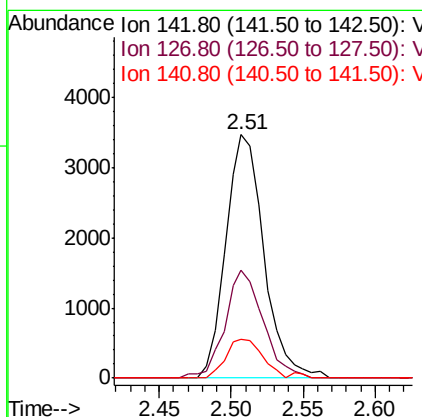
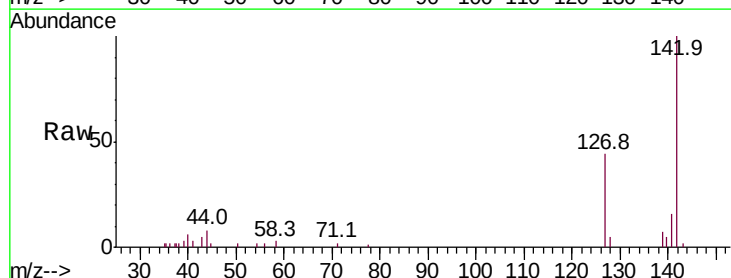
RT: 2.51 min Scan# 222

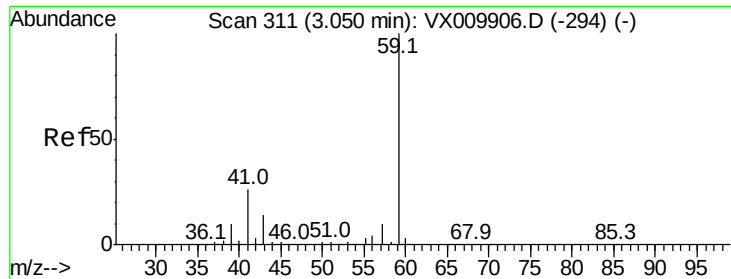
Delta R.T. -0.01 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Tgt Ion:	142	Resp:	6423
Ion Ratio	Lower	Upper	
142	100		
127	44.0	33.0	49.4
141	15.2	11.4	17.0





#11

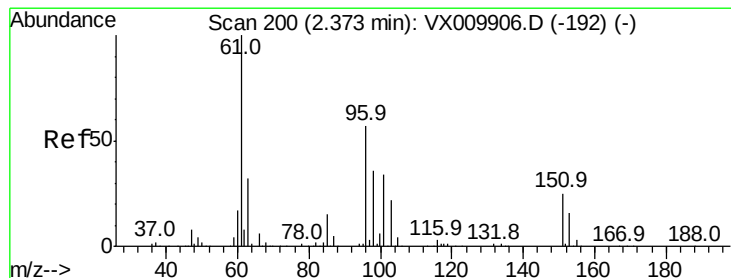
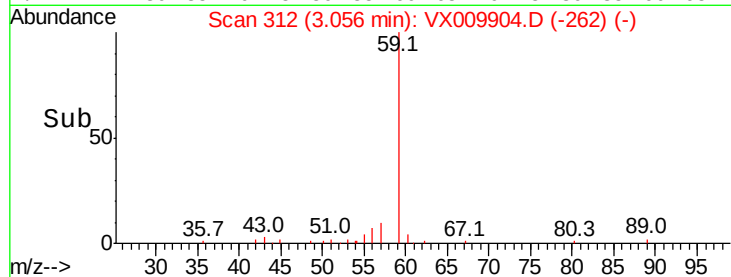
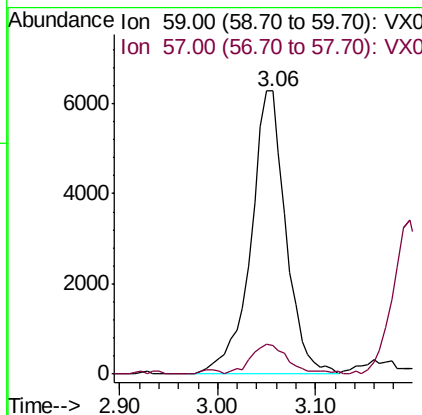
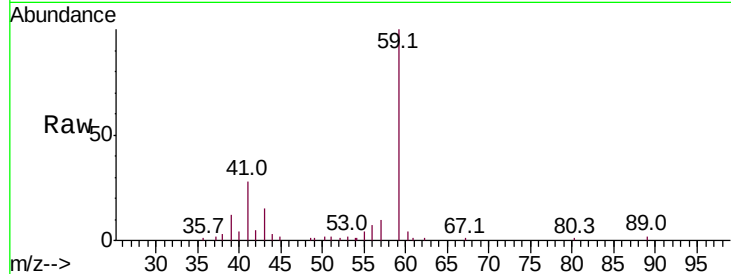
Tert butyl alcohol
 Concen: 28.854 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	59	57	Ratio	100	11.6	Resp:	15687	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	11.6	Resp:	15687	Lower	8.2	Upper	12.2

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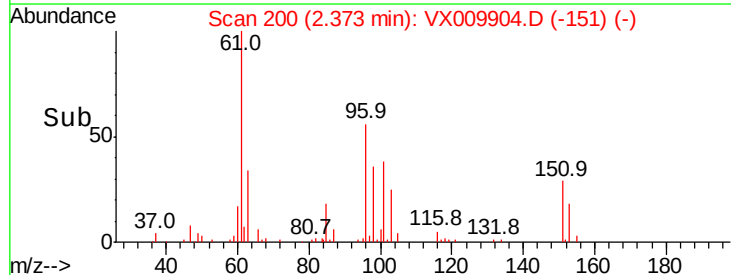
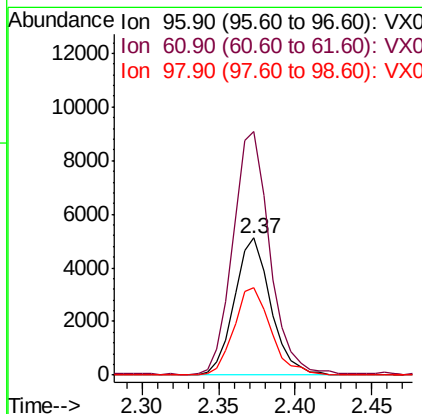
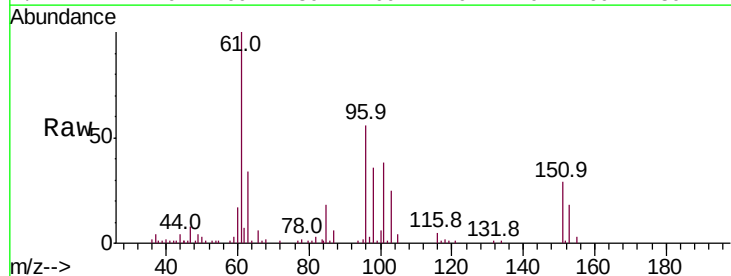
MMDadoda
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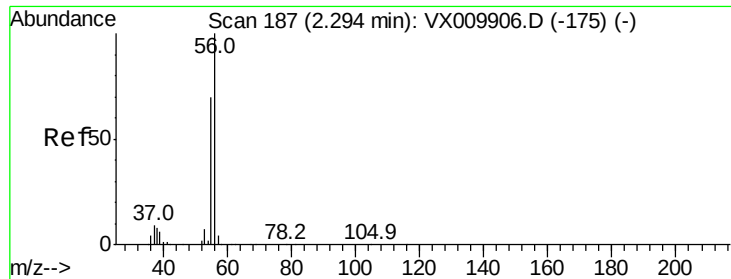


#12

1,1-Dichloroethene
 Concen: 5.236 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion	96	61	98	Ratio	100	177.6	63.7	Resp:	8430	Lower	140.7	50.1	Upper	211.1	75.1
Ion	96	61	98	Ratio	100	177.6	63.7	Resp:	8430	Lower	140.7	50.1	Upper	211.1	75.1





#13

Acrolein

Concen: 10.123 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4795

Ion Ratio Lower Upper

56 100

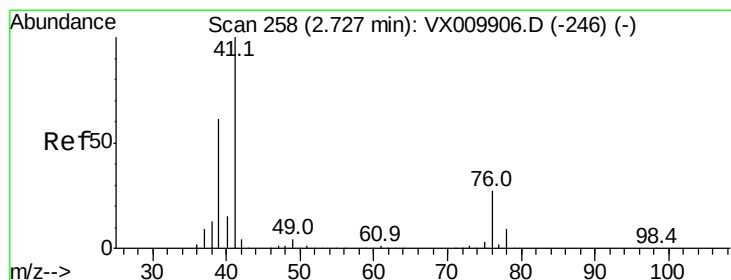
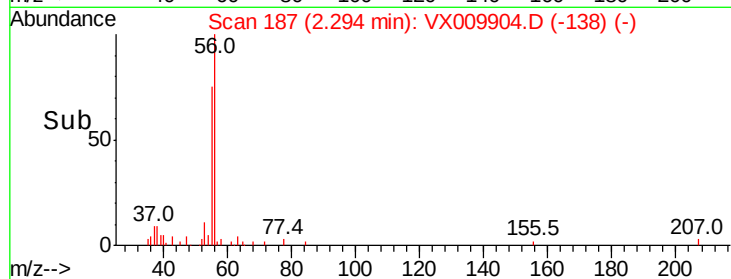
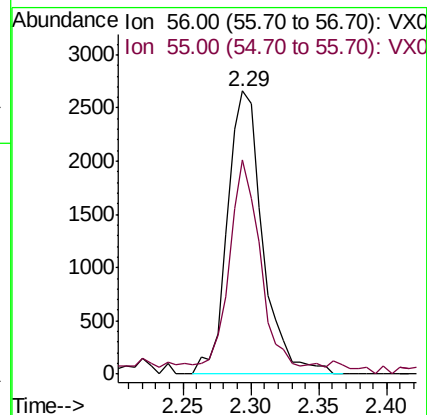
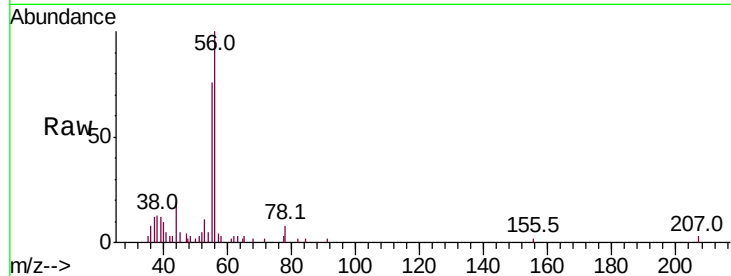
55 60.0 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 5.184 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

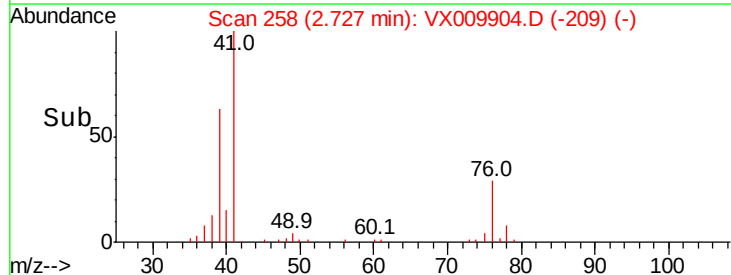
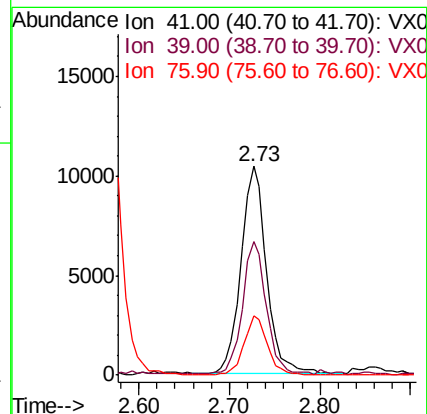
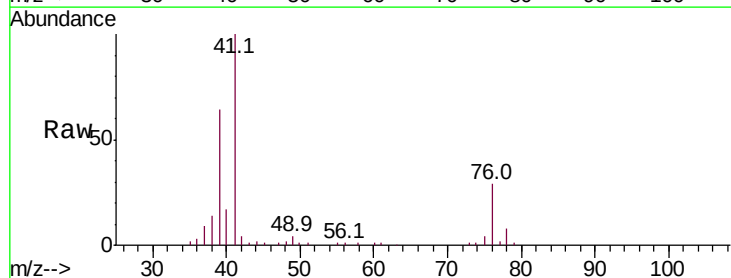
Tgt Ion: 41 Resp: 20467

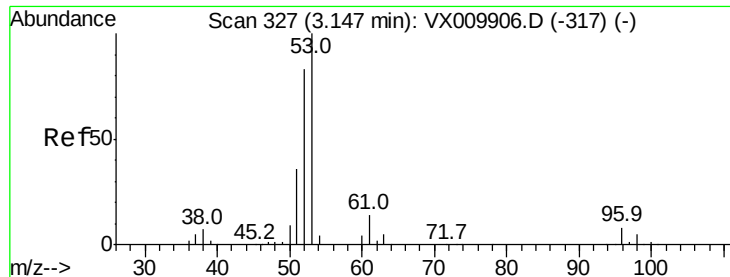
Ion Ratio Lower Upper

41 100

39 60.7 46.7 70.1

76 25.8 21.0 31.4





#15

Acrylonitrile

Concen: 26.400 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

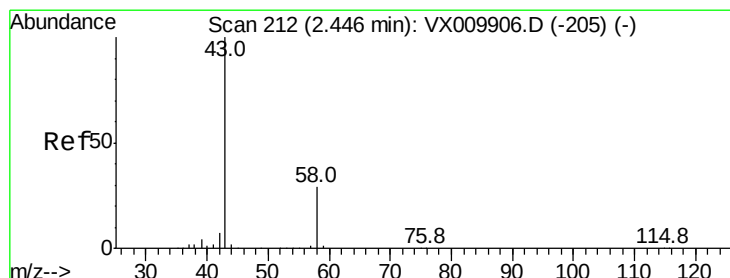
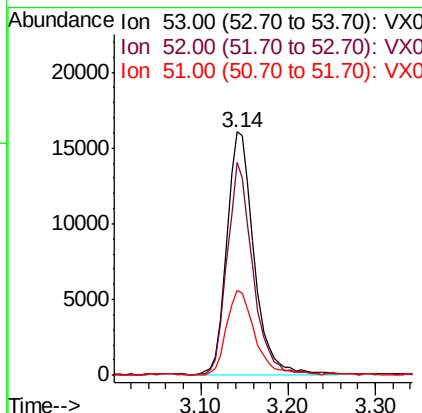
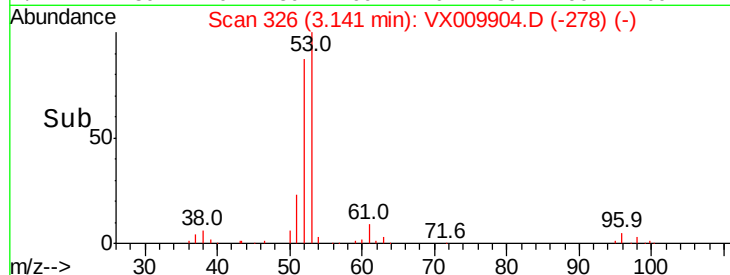
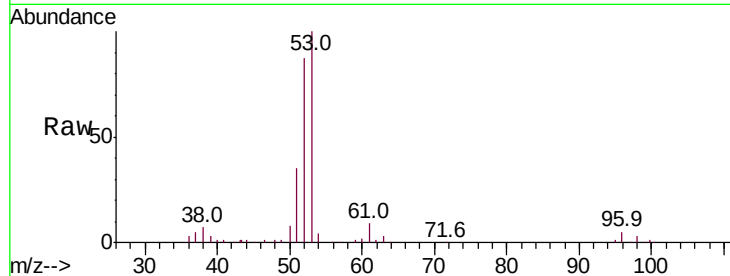
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	35034
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	35.8	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 25.791 ug/l

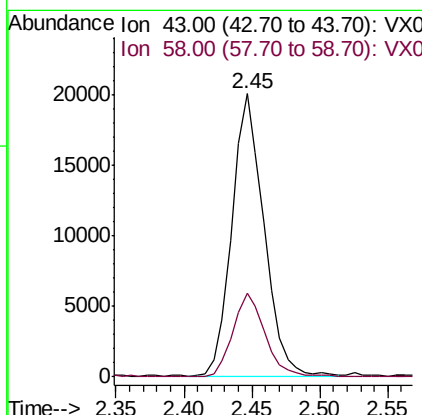
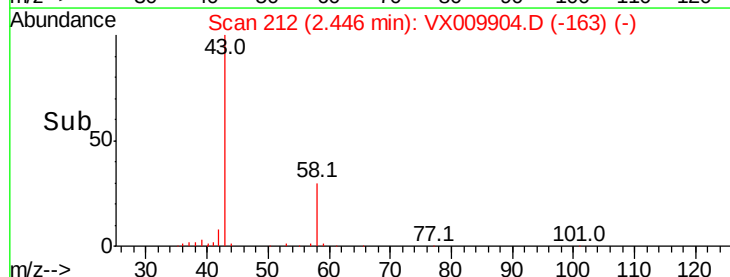
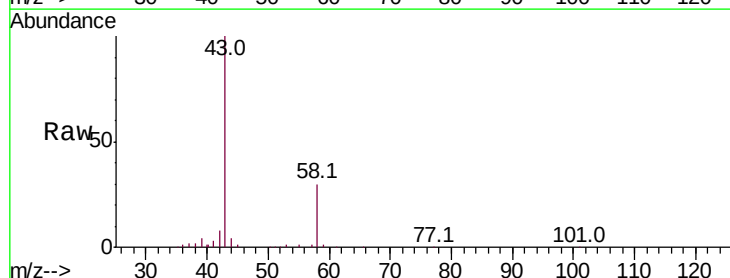
RT: 2.45 min Scan# 212

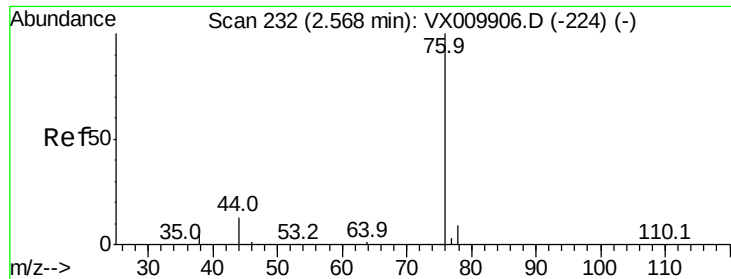
Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Tgt Ion:	43	Resp:	32698
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.2	34.8





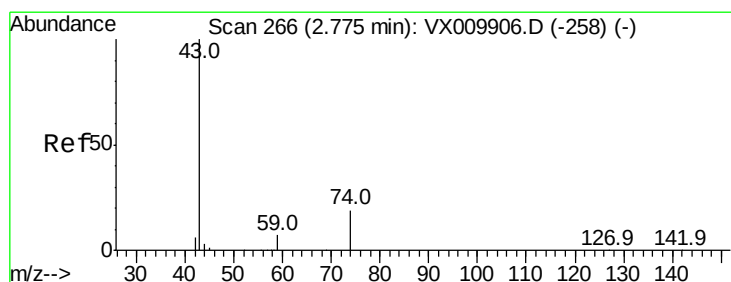
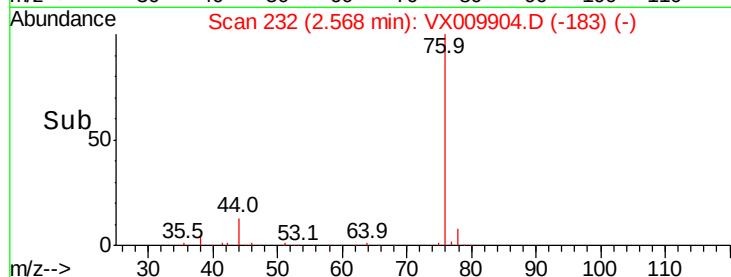
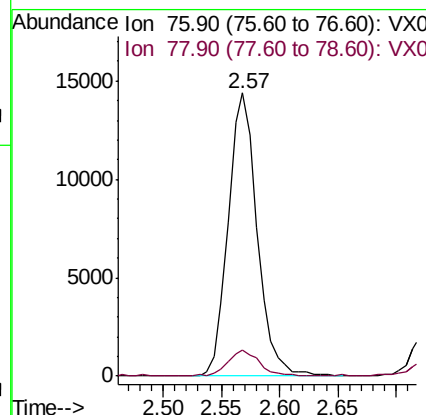
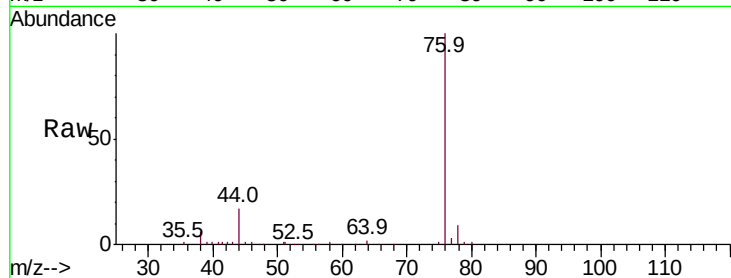
#17
Carbon Disulfide
Concen: 5.417 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

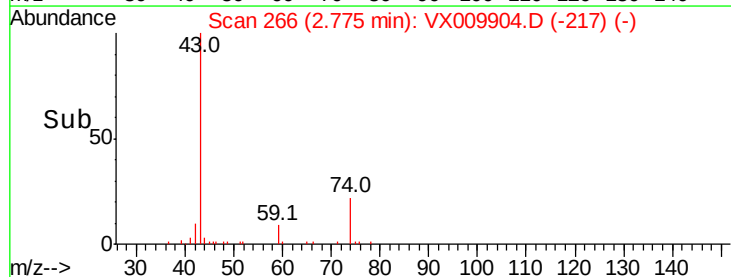
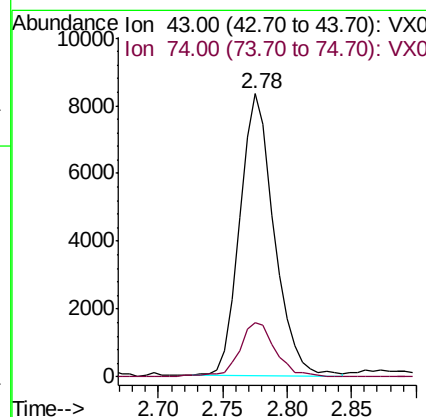
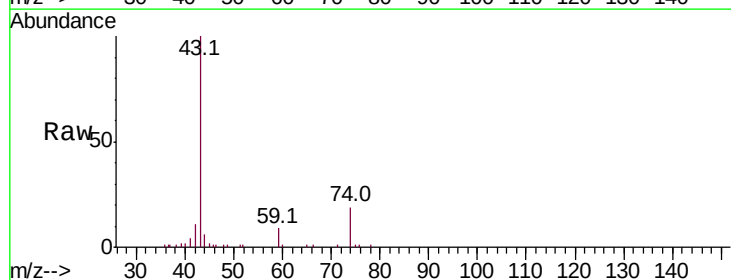
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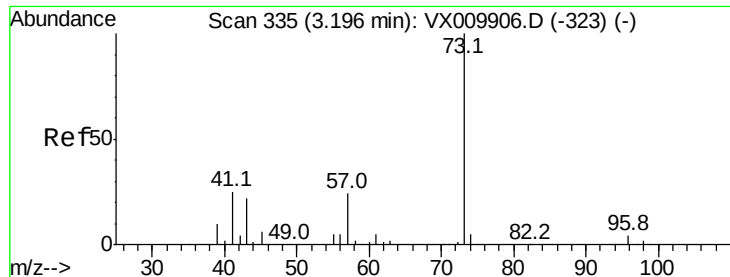
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#18
Methyl Acetate
Concen: 5.110 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	15.8	23.6





#19

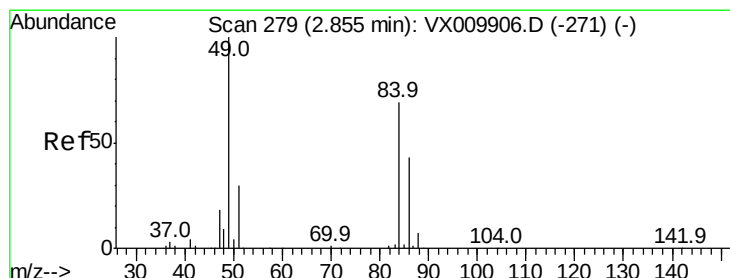
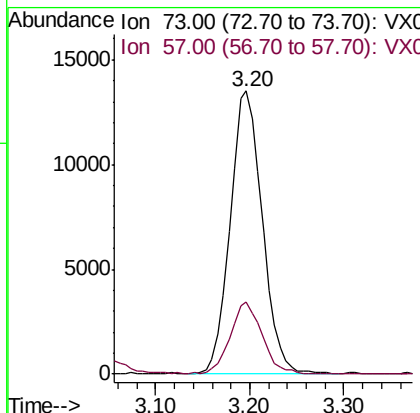
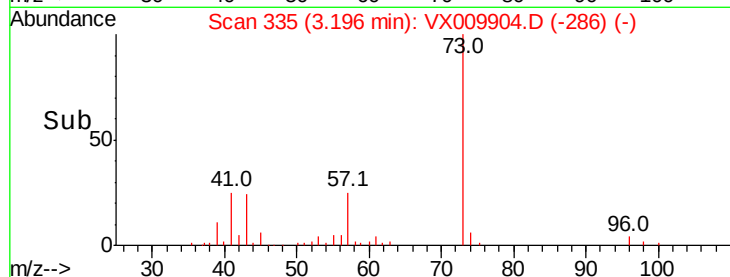
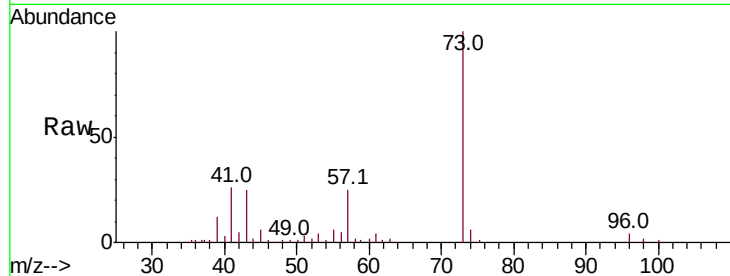
Methyl tert-butyl Ether
 Concen: 5.151 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.3	19.4	29.2

Manual Integrations
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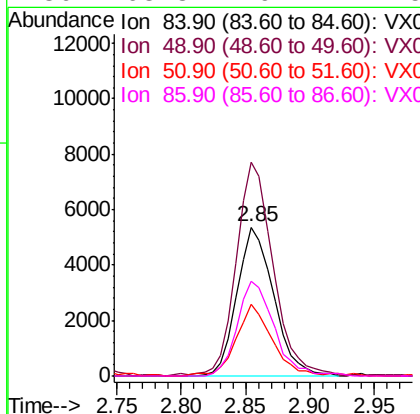
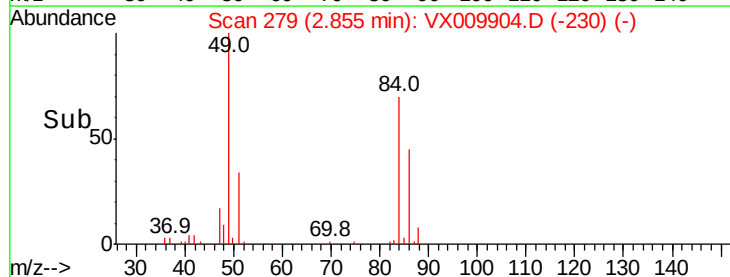
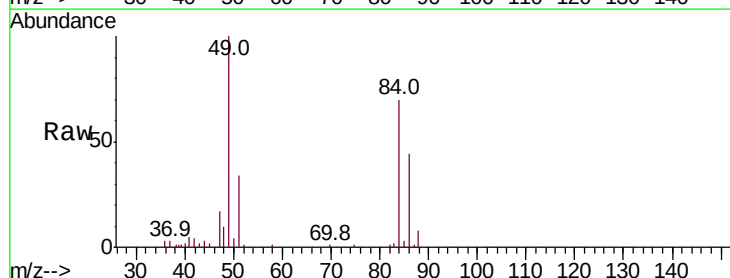
MMDadoda
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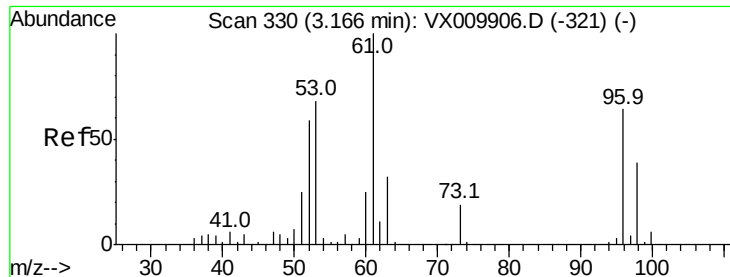


#20

Methylene Chloride
 Concen: 5.233 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.5	115.8	173.6
51	47.5	34.4	51.6
86	63.8	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 5.371 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 9354

Ion Ratio Lower Upper

96 100

61 154.2 125.7 188.5

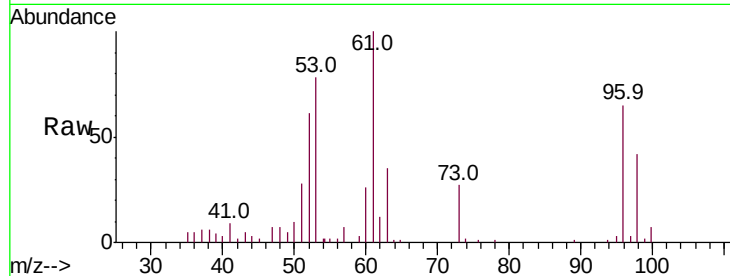
98 64.8 49.0 73.6

Manual Integrations

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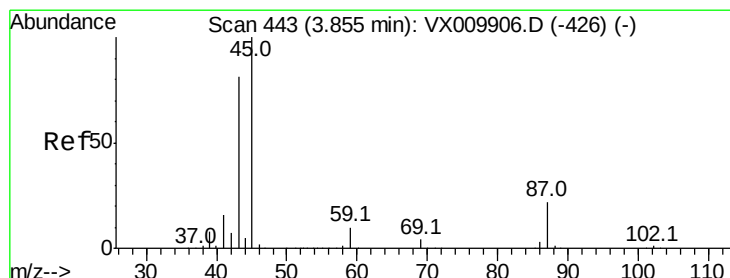
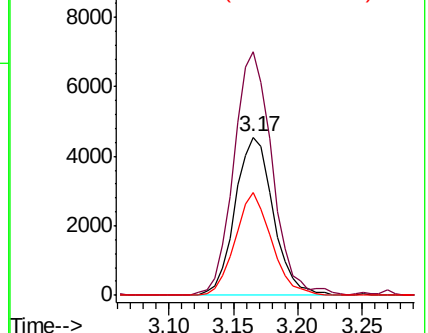
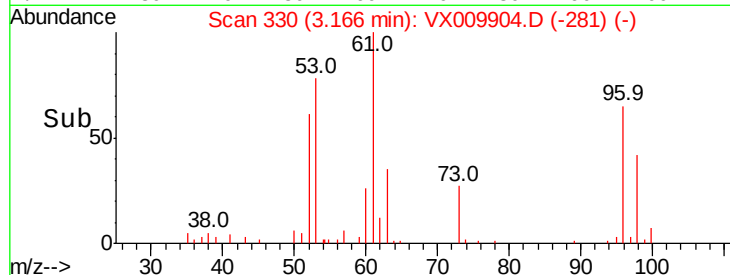
5/29/2019 9:24:42 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 5.266 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Tgt Ion: 45 Resp: 39781

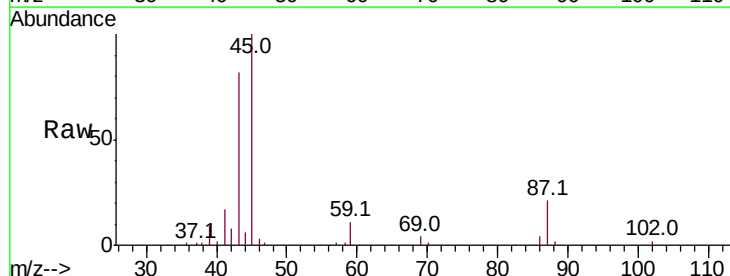
Ion Ratio Lower Upper

45 100

43 79.6 65.0 97.4

87 21.4 17.3 25.9

59 10.5 8.1 12.1

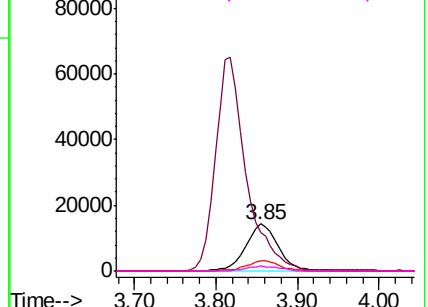
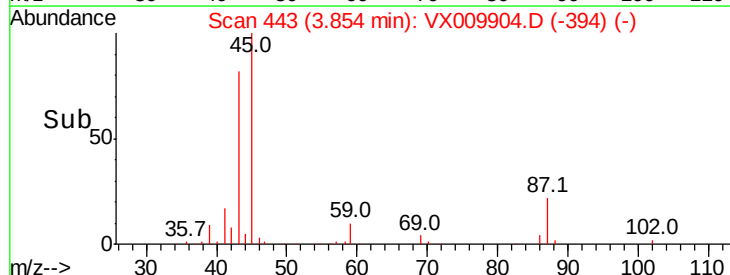


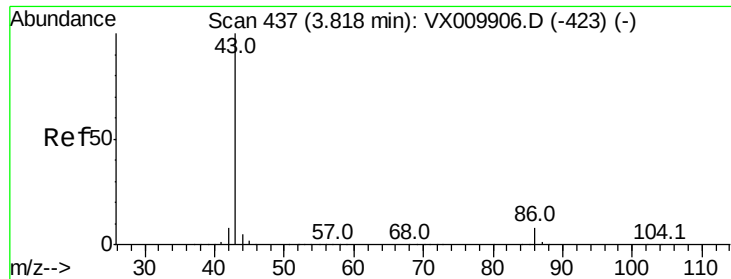
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 26.403 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 171546

Ion Ratio Lower Upper

43 100

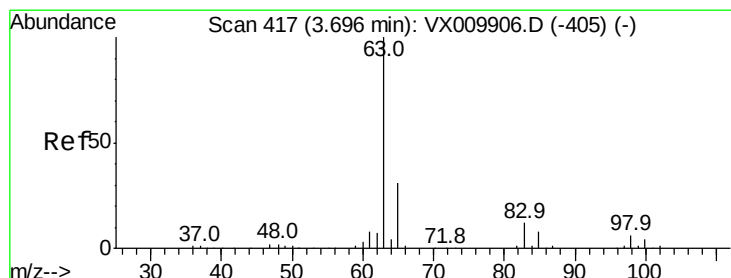
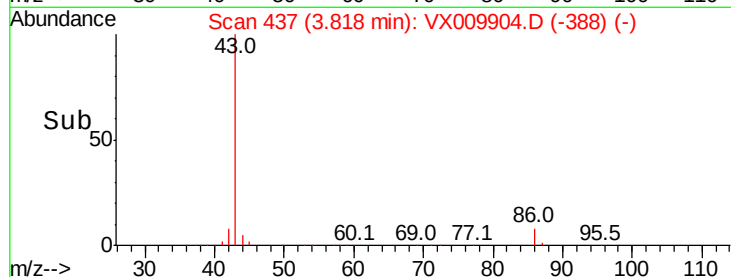
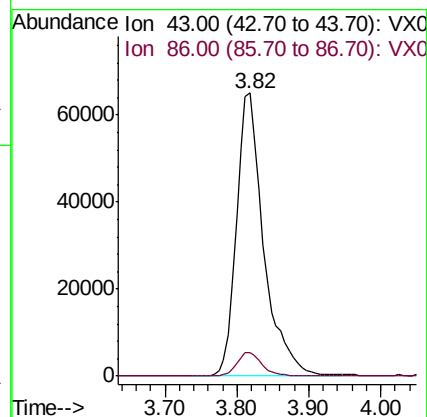
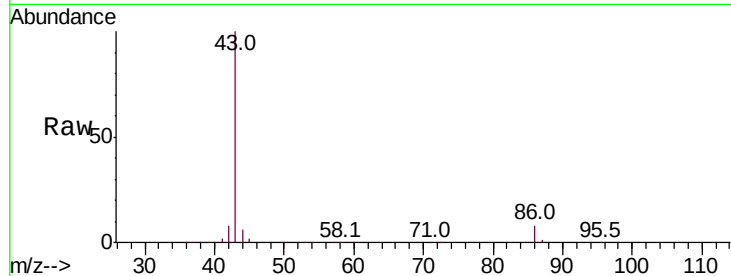
86 8.4 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 5.197 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

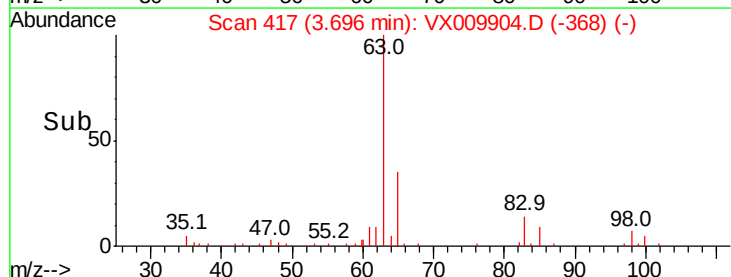
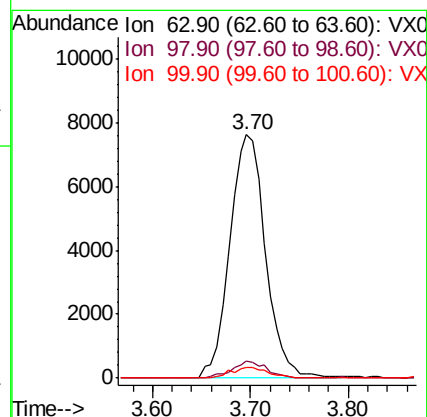
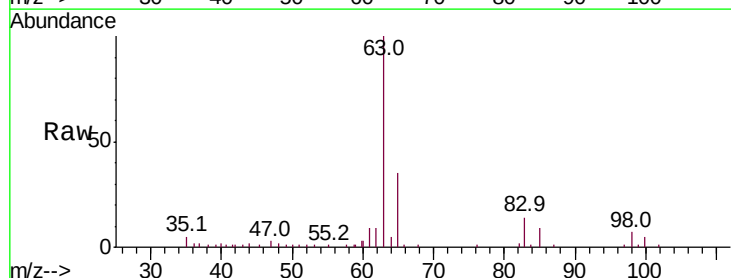
Tgt Ion: 63 Resp: 19319

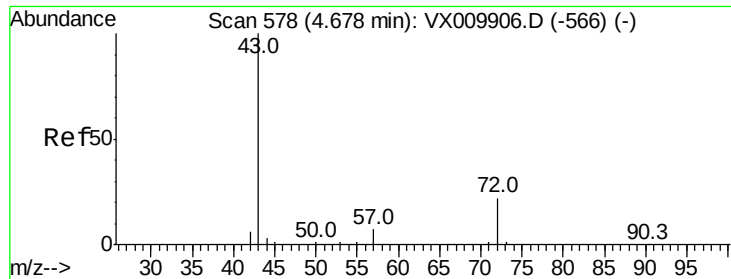
Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.8

100 4.5 1.8 5.4





#25

2-Butanone

Concen: 26.495 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 52088

Ion Ratio Lower Upper

43 100

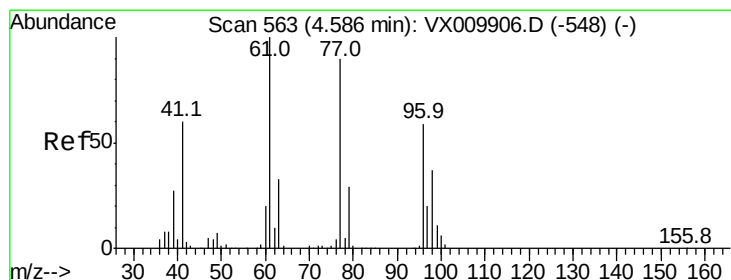
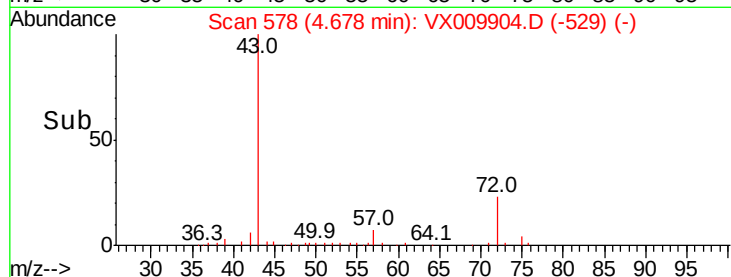
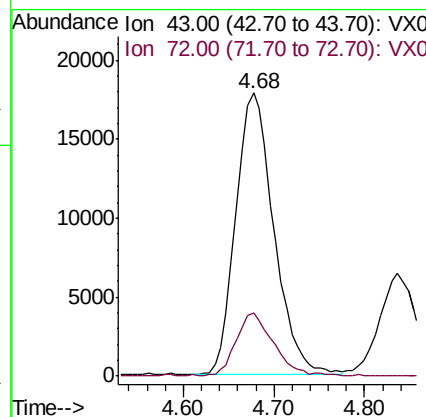
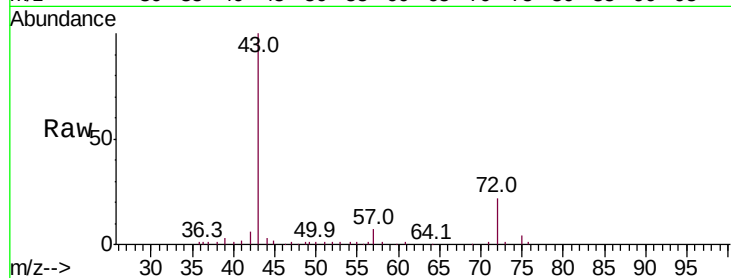
72 22.3 17.5 26.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.344 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009904.D

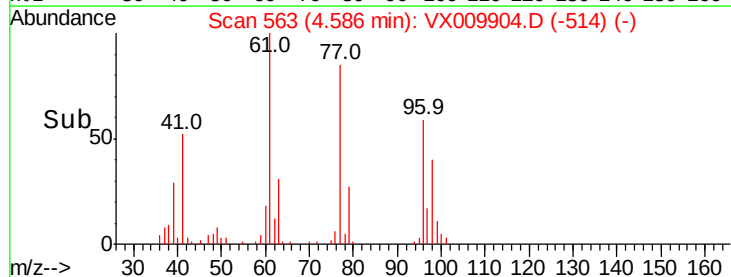
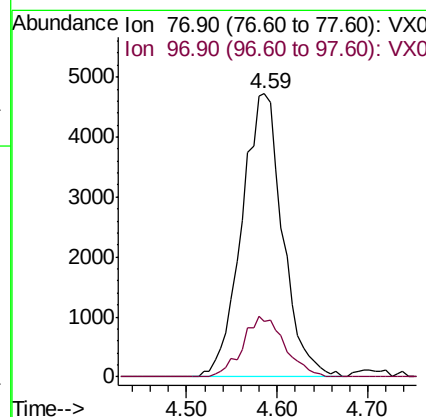
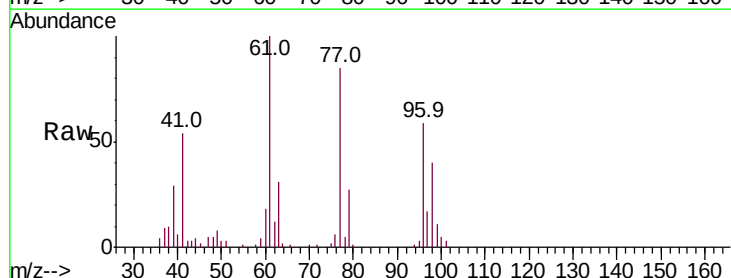
Acq: 28 May 2019 10:20

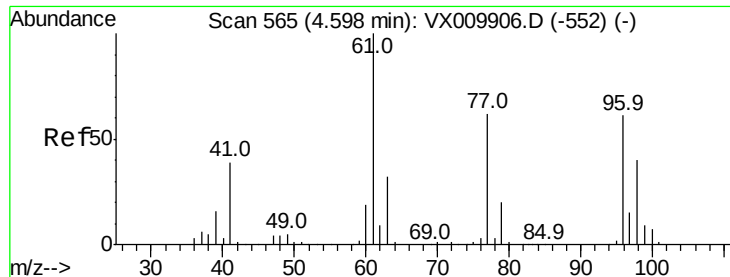
Tgt Ion: 77 Resp: 14802

Ion Ratio Lower Upper

77 100

97 21.9 11.4 34.2





#27

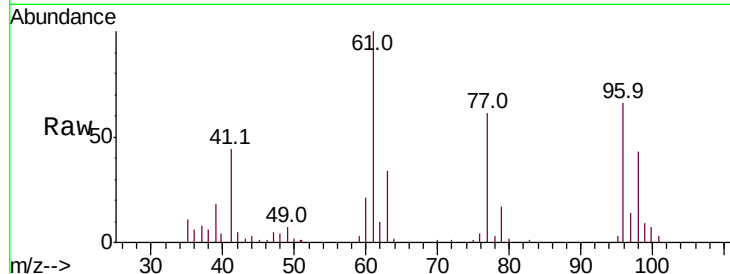
cis-1,2-Dichloroethene
Concen: 5.134 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

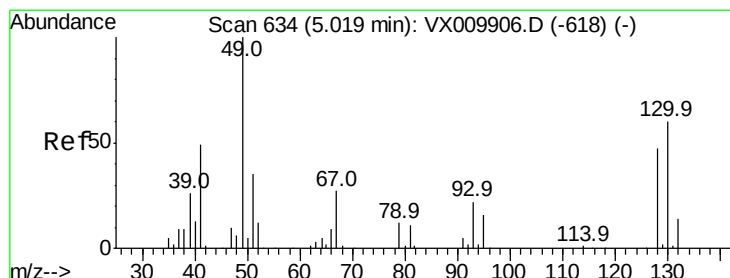
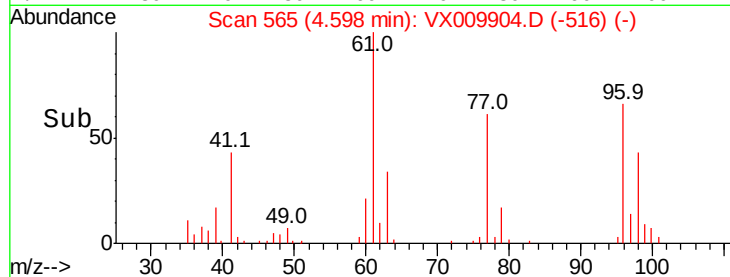
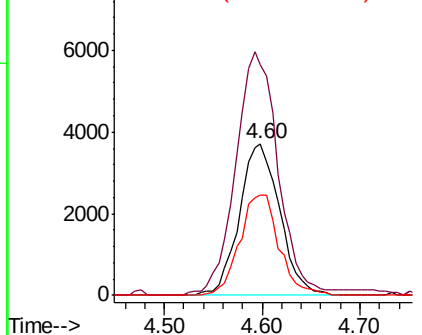
Tot Ion	Ratio	Lower	Upper
96	100		
61	169.8	0.0	334.0
98	64.7	0.0	131.6

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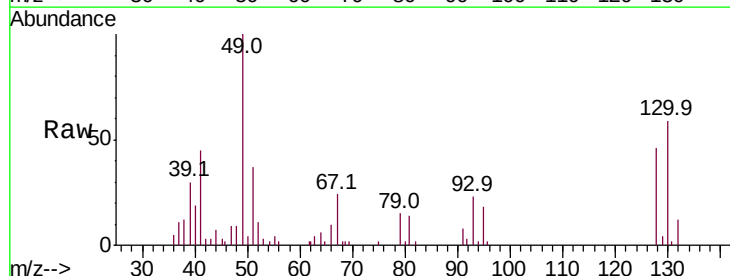
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



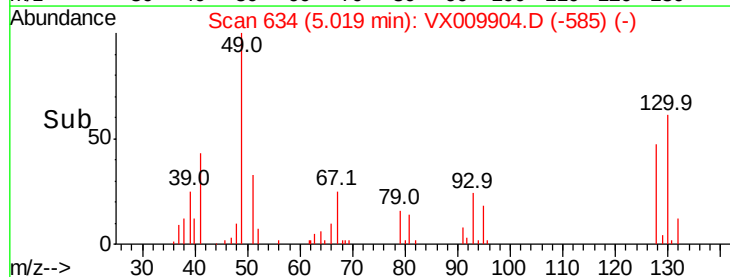
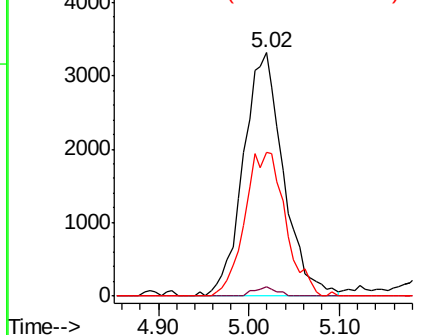
#28

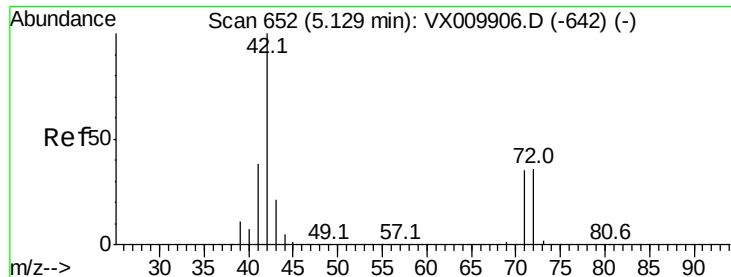
Bromochloromethane
Concen: 6.001 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	59.9	49.4	74.2



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





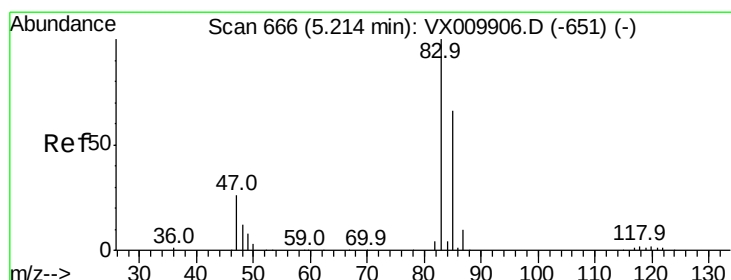
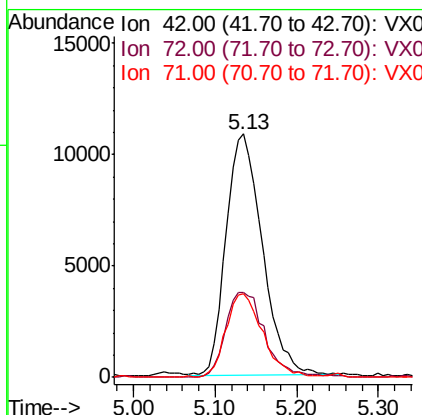
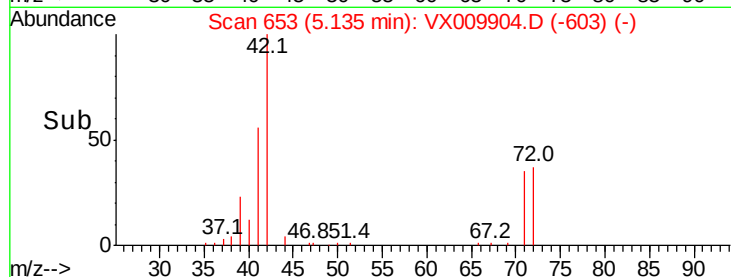
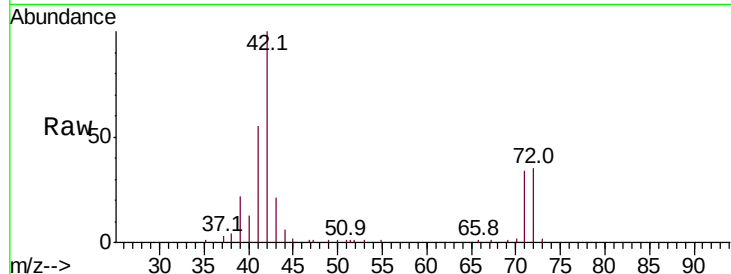
#29
Tetrahydrofuran
Concen: 26.447 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	29.2	43.8
71	35.3	27.6	41.4

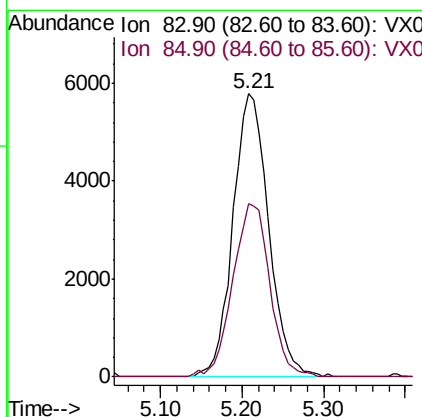
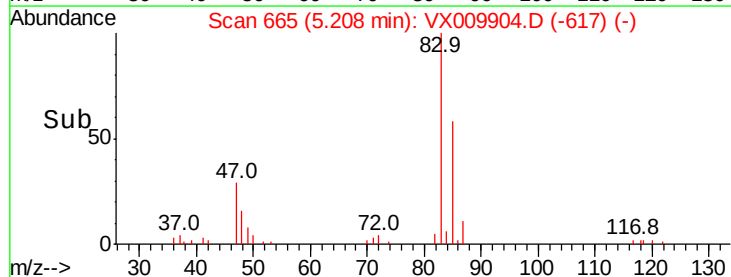
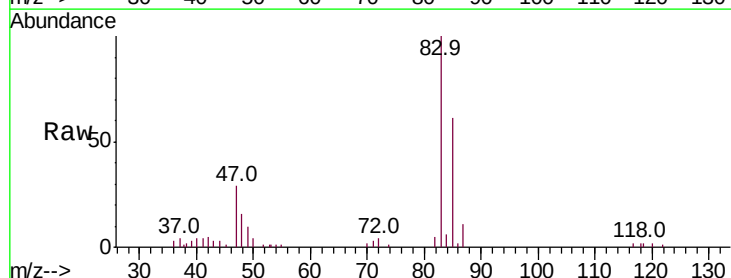
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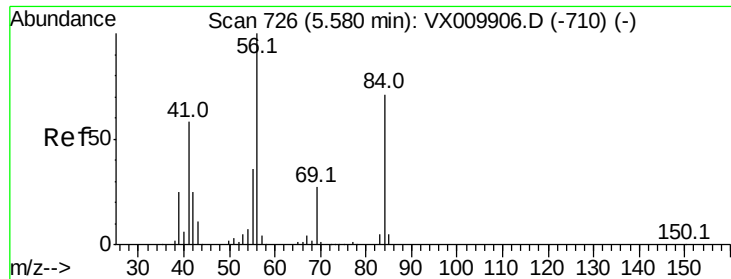
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#30
Chloroform
Concen: 5.224 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.6	78.8





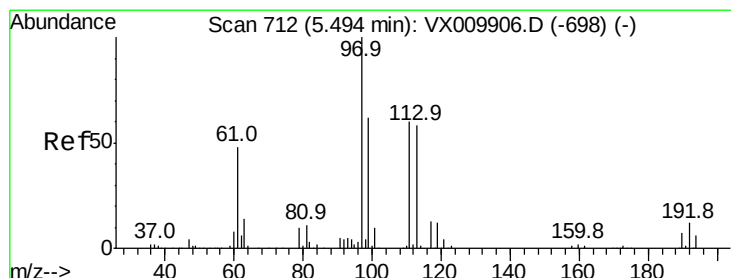
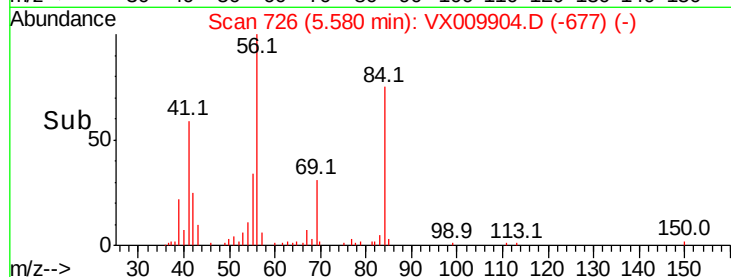
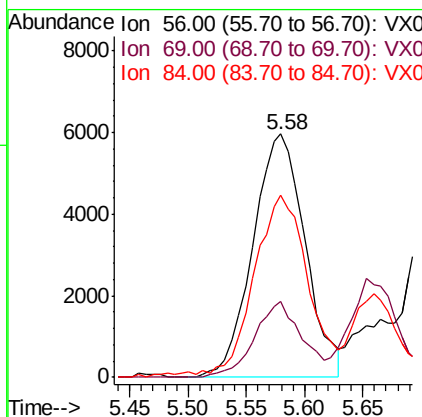
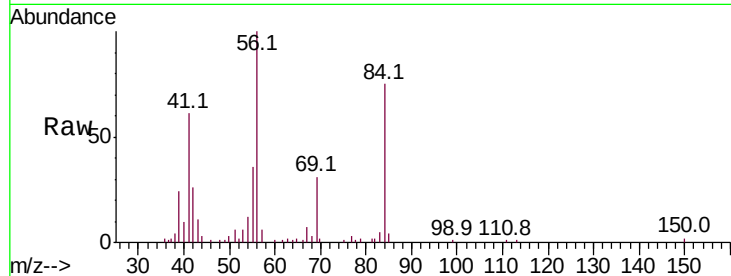
#31
Cyclohexane
Concen: 5.316 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	21.6	32.4
84	72.6	56.8	85.2

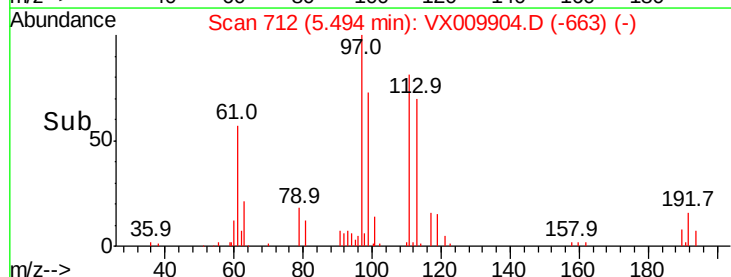
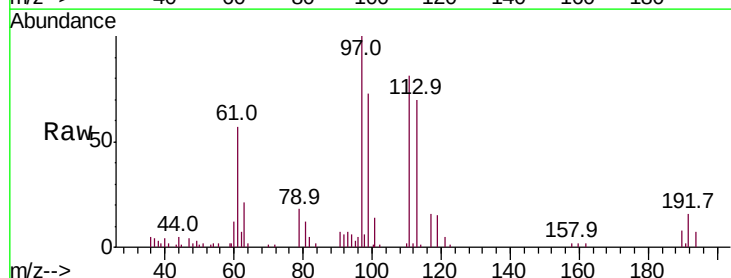
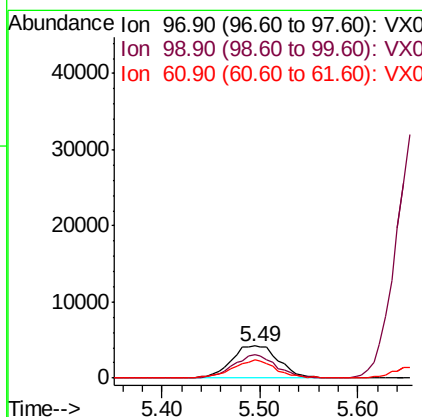
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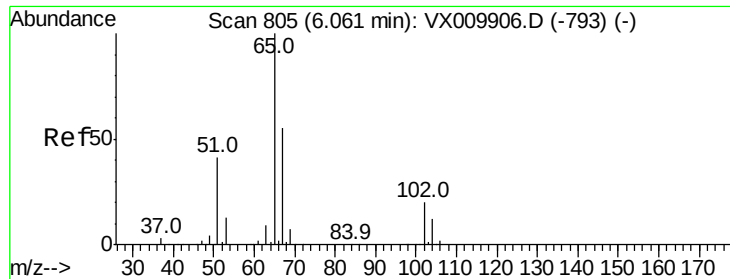
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.080 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.0	76.4
61	51.9	38.7	58.1





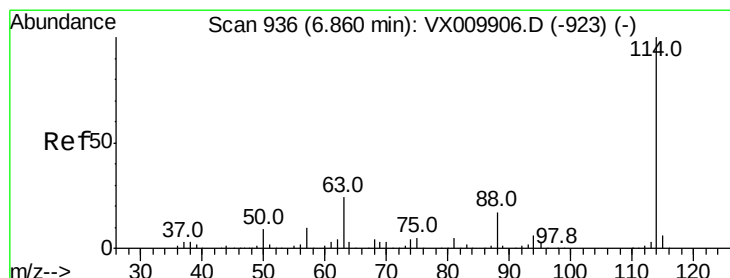
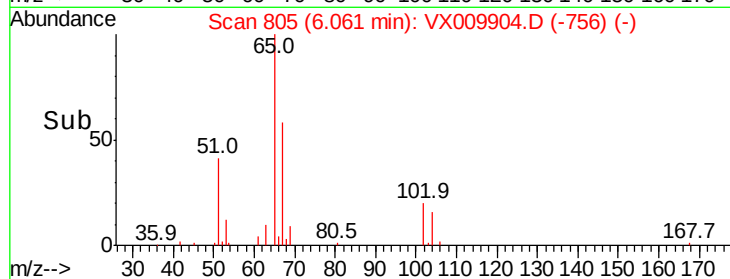
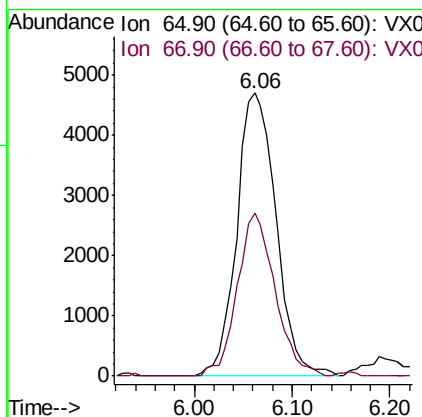
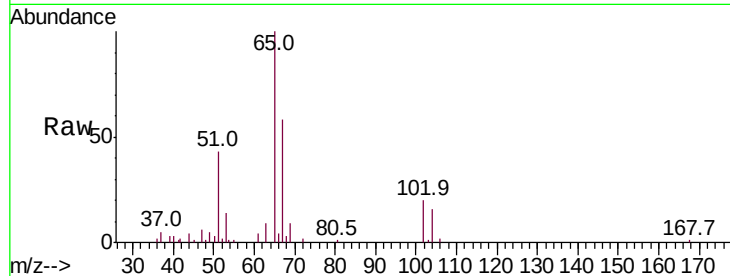
#33
 1,2-Dichloroethane-d4
 Concen: 5.701 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	108.4

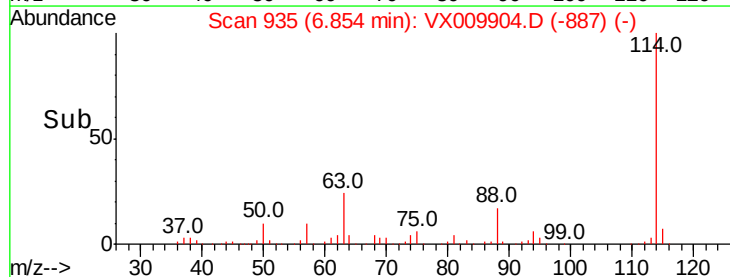
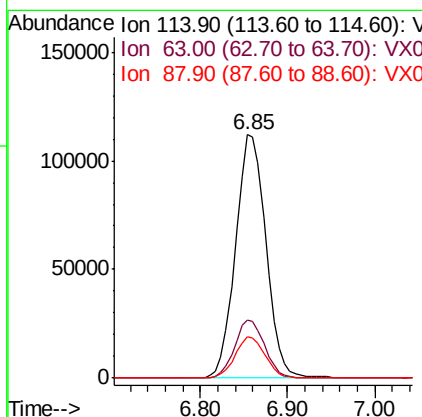
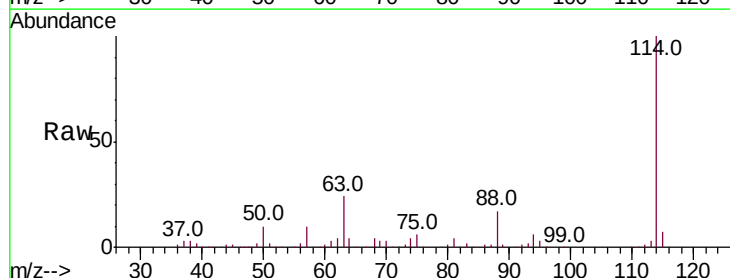
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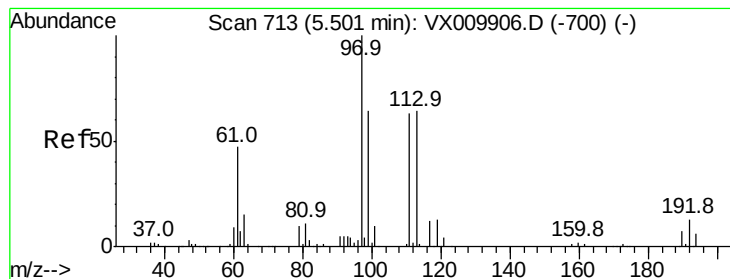
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	47.4
88	17.1	0.0	33.0





#35

Dibromofluoromethane

Concen: 5.493 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

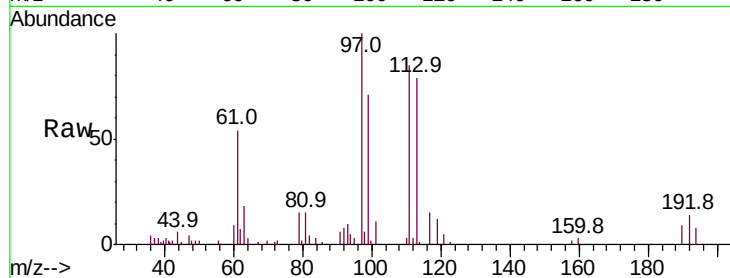
ClientSampleId :

VSTDIC005

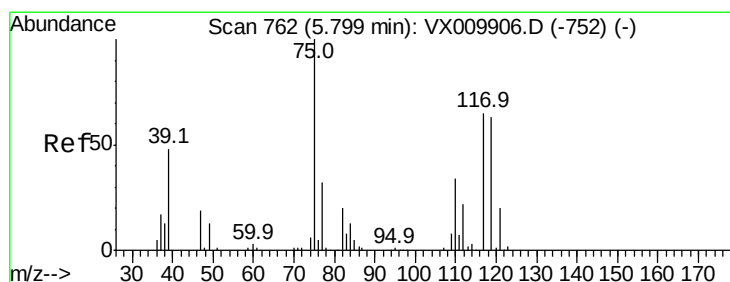
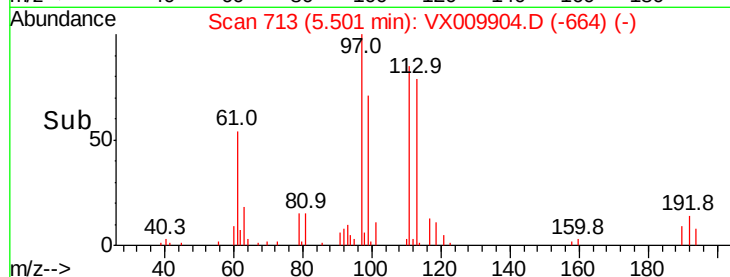
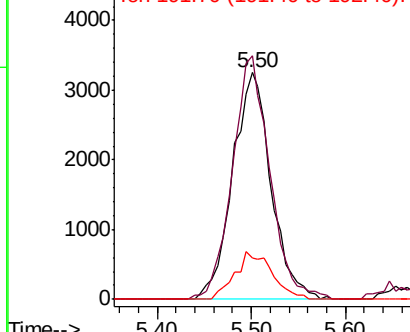
Tot Ion:	113	Resp:	9280
Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.2
192	20.3	17.1	25.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.402 ug/l

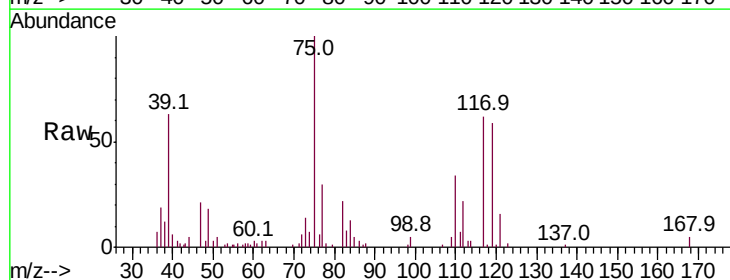
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

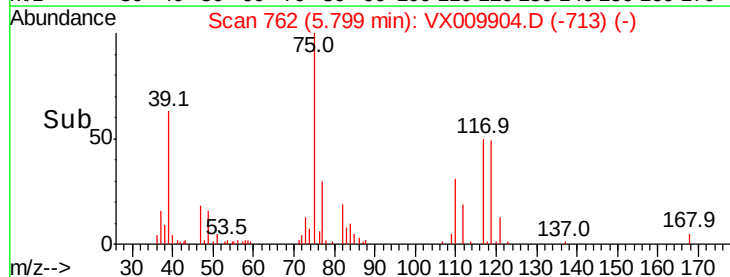
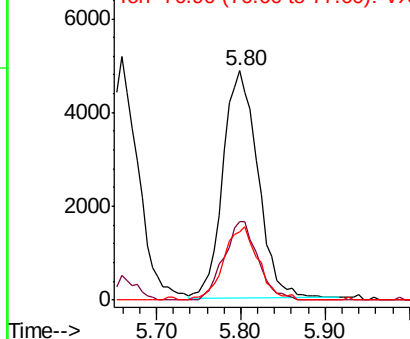
Lab File: VX009904.D

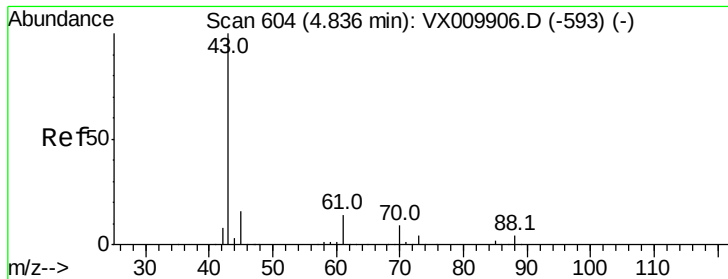
Acq: 28 May 2019 10:20

Tgt Ion:	75	Resp:	13778
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	31.9	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





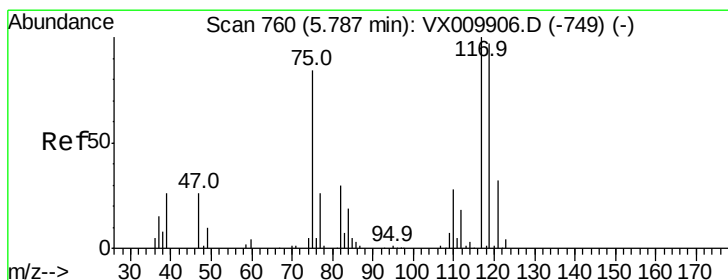
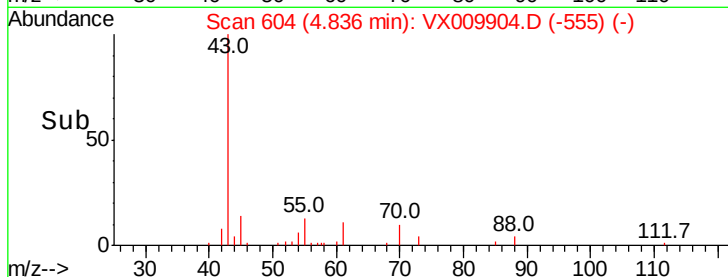
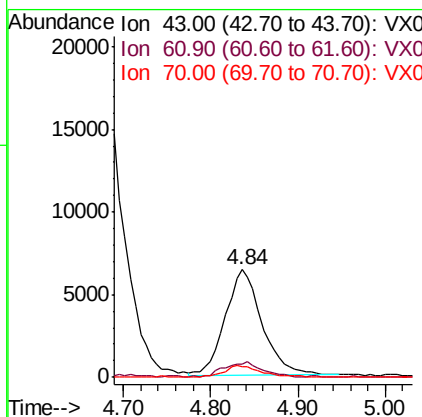
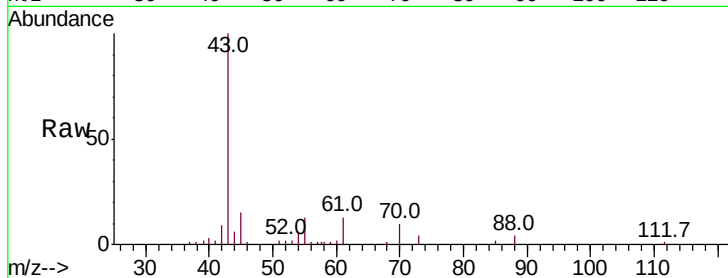
#37
Ethyl Acetate
Concen: 5.222 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.2	15.2#
70	11.2	7.4	11.2#

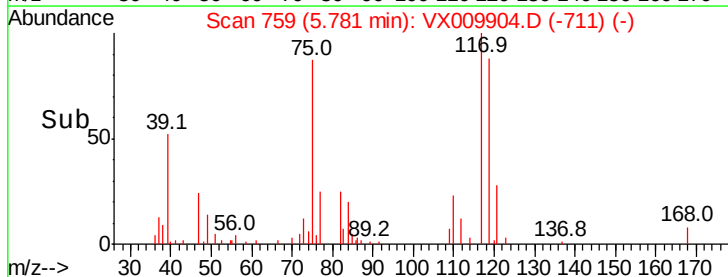
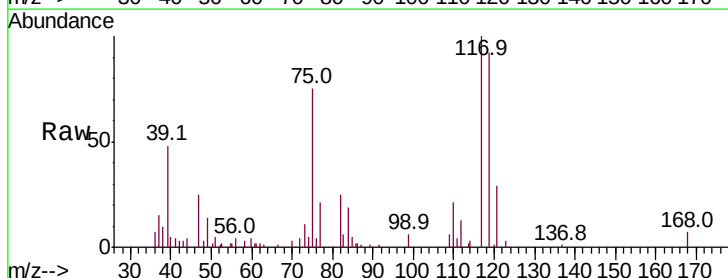
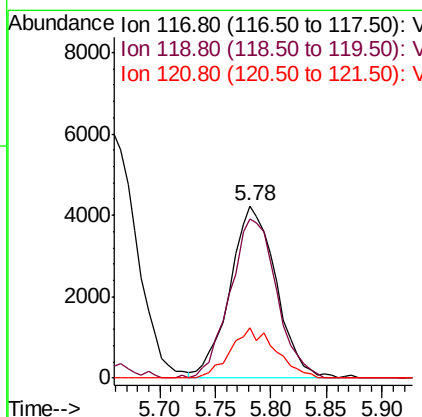
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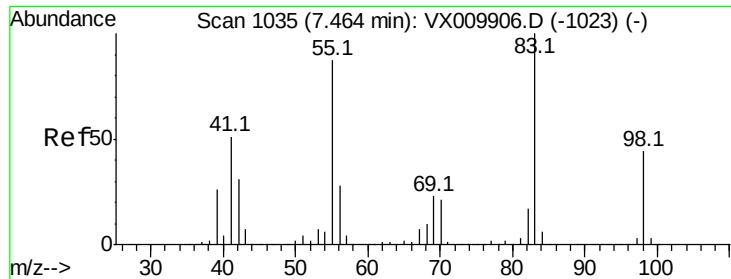
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#38
Carbon Tetrachloride
Concen: 5.261 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.3	115.9
121	28.9	25.4	38.0





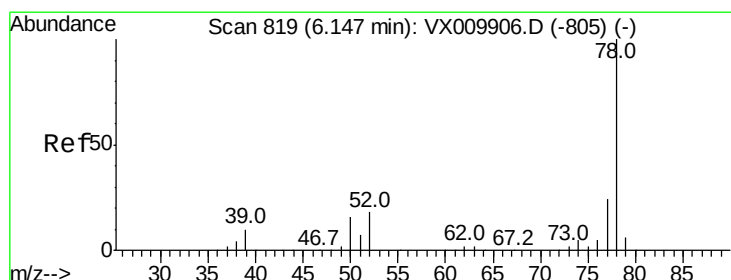
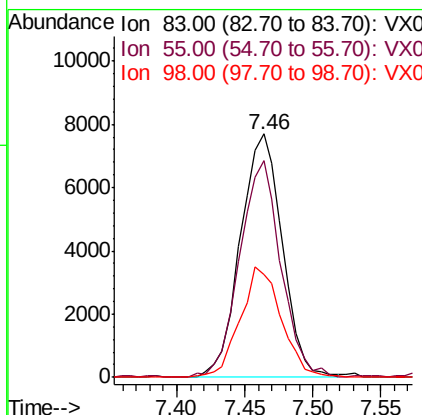
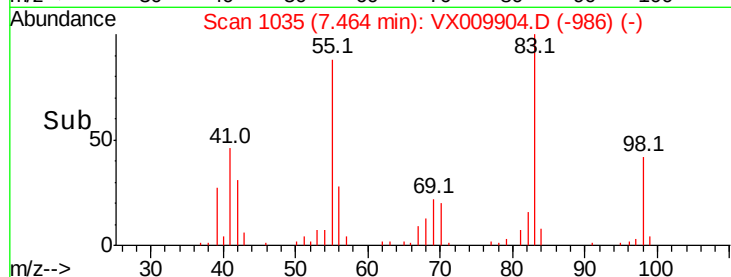
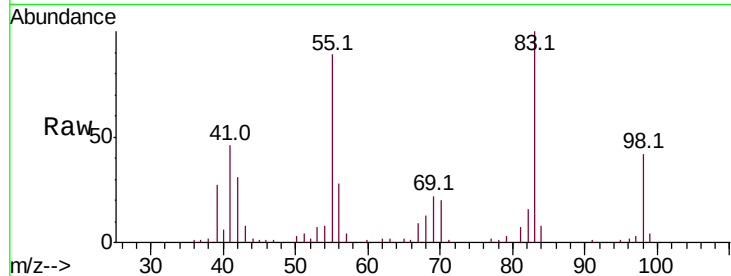
#39
Methylvlcyclohexane
Concen: 5.279 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	69.9	104.9
98	42.2	35.1	52.7

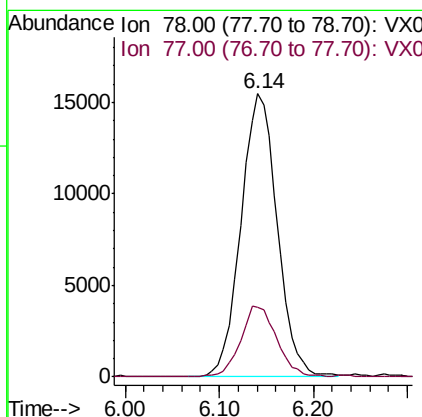
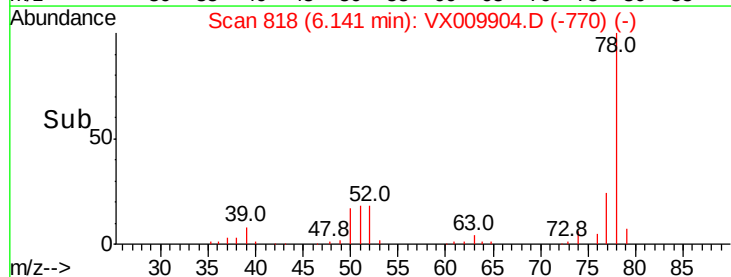
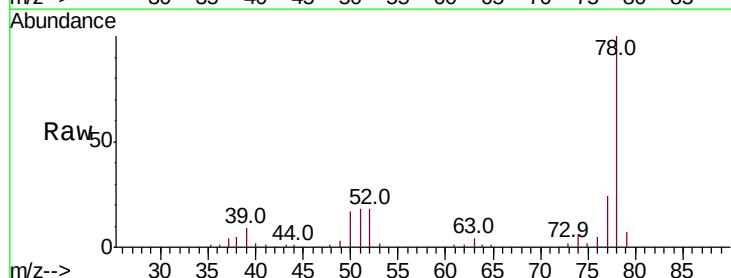
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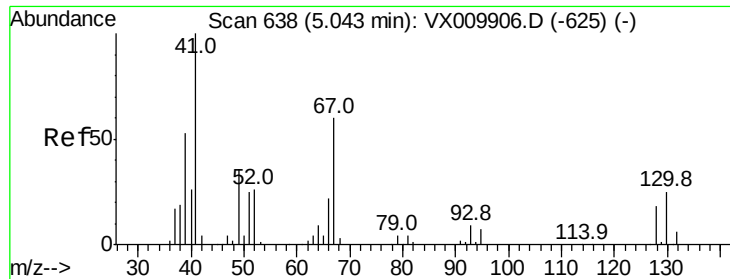
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#40
Benzene
Concen: 5.307 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8





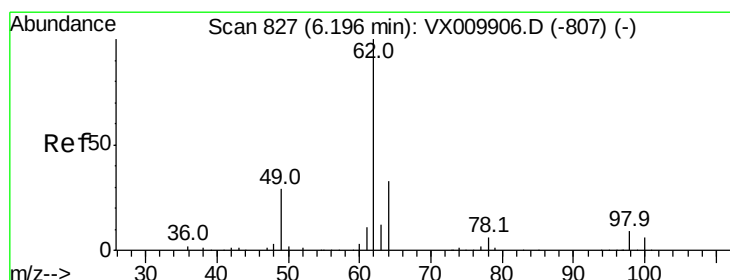
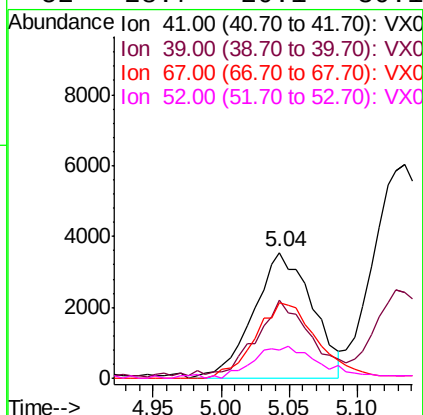
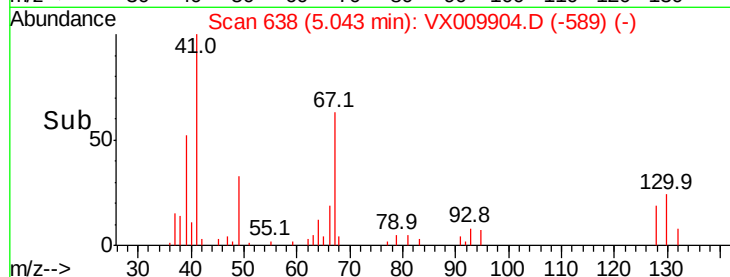
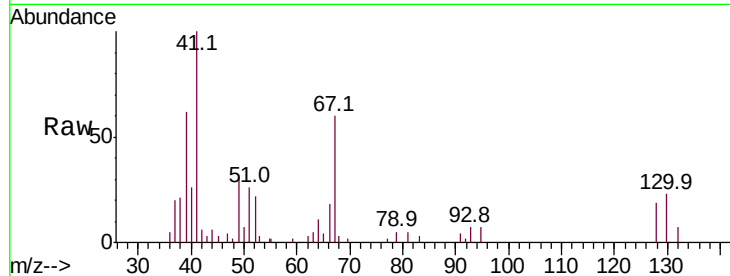
#41
Methacrylonitrile
Concen: 5.036 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	42.2	63.4
67	63.7	48.9	73.3
52	28.7	20.1	30.1

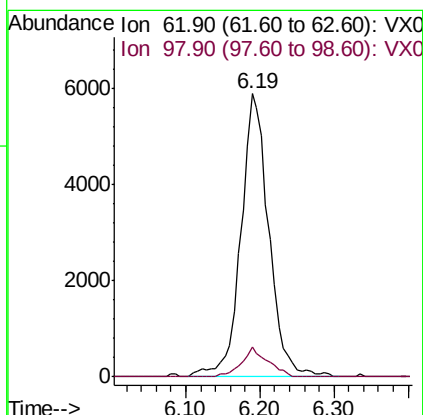
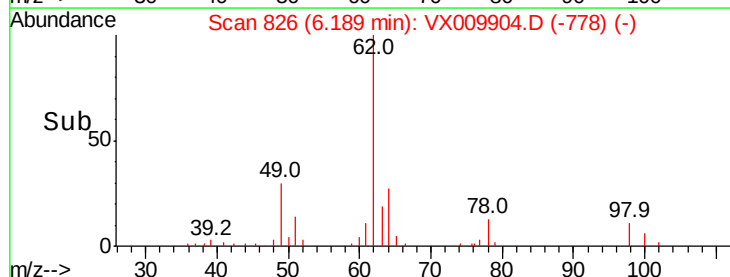
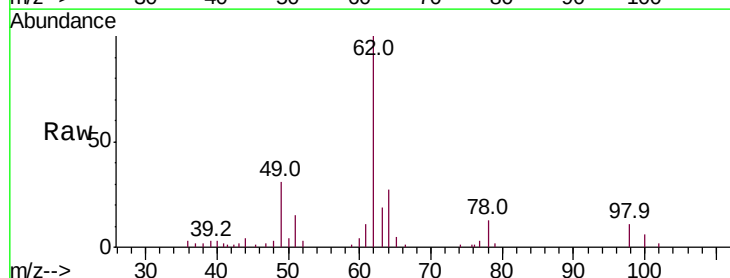
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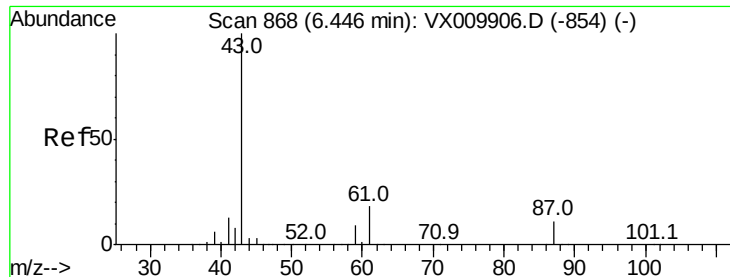
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.473 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.2





#43

Isopropyl Acetate

Concen: 5.359 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

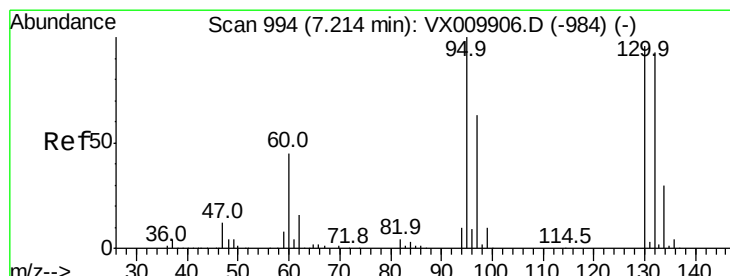
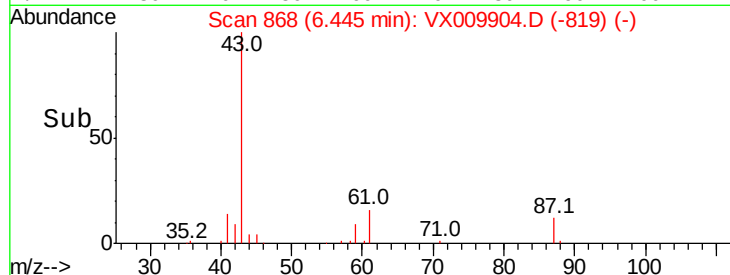
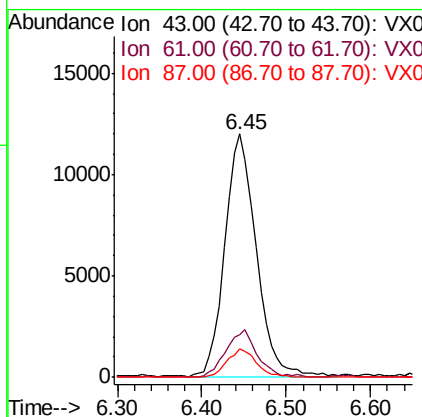
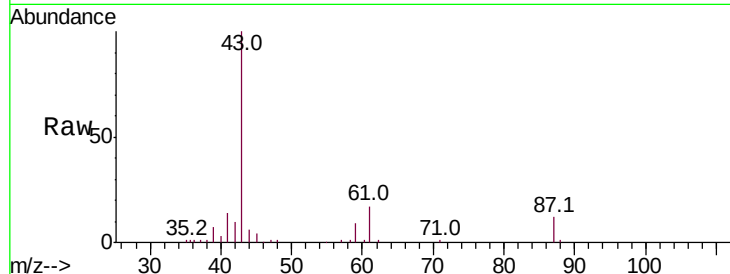
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	30557
Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.6	21.8
87	10.8	8.7	13.1

Manual Integrations
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#44

Trichloroethene

Concen: 5.104 ug/l

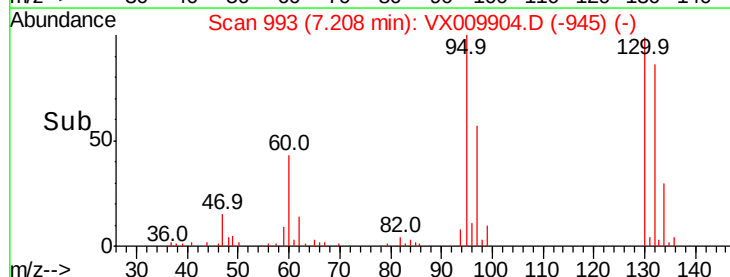
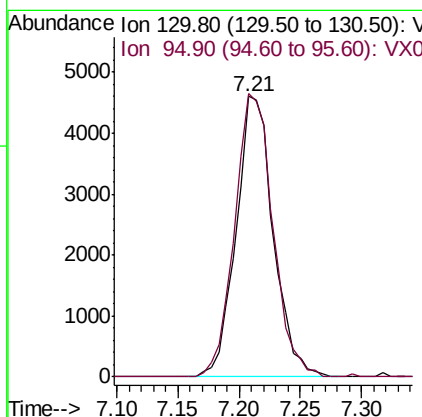
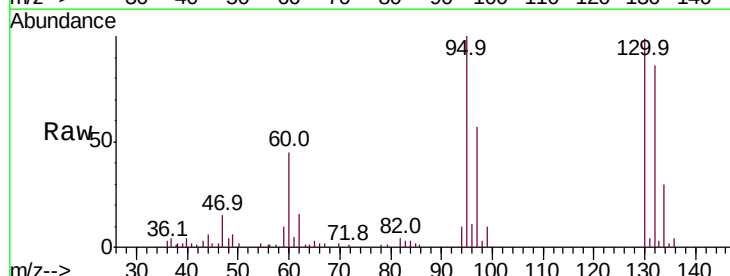
RT: 7.21 min Scan# 993

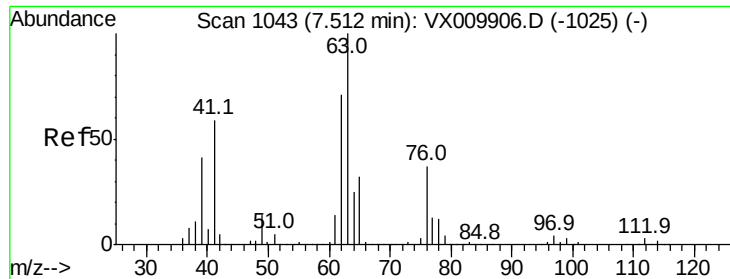
Delta R.T. -0.01 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Tgt Ion:	130	Resp:	9702
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	207.4





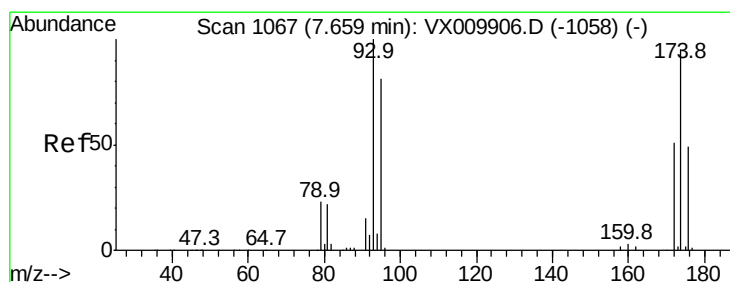
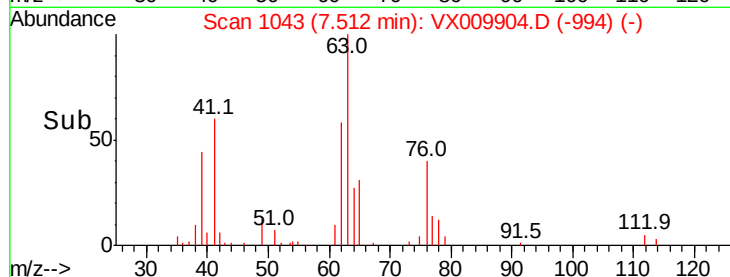
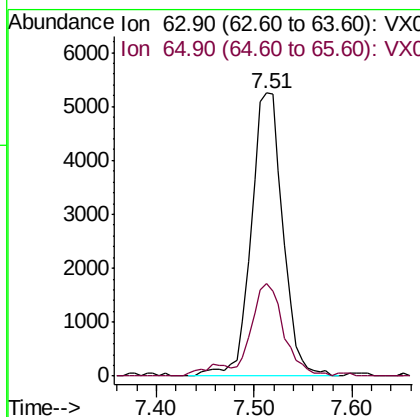
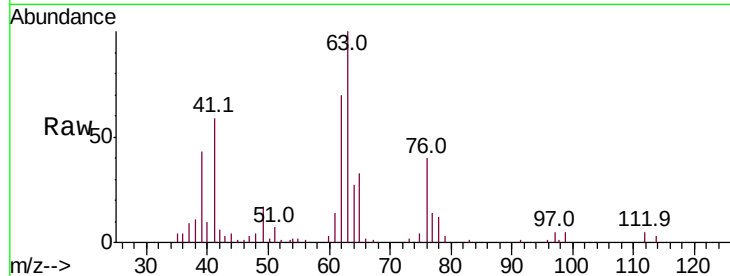
#45
 1,2-Dichloropropane
 Concen: 5.298 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11810
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.7 38.5

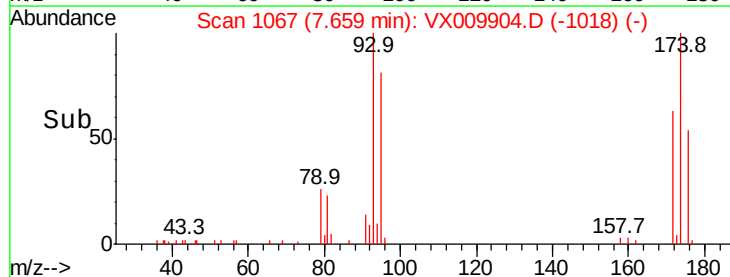
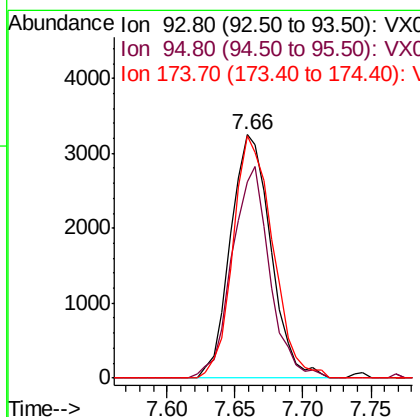
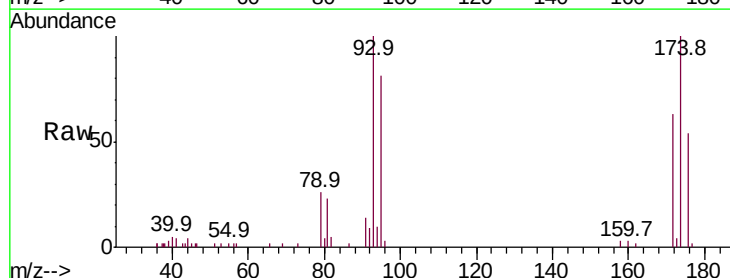
Manual Integrations
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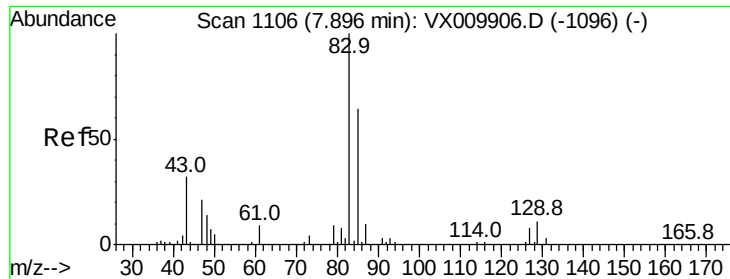
MMDadoda
 5/29/2019 9:24:42 AM



#46
 Dibromomethane
 Concen: 5.178 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion: 93 Resp: 6699
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.8 100.2
 174 98.7 81.9 122.9





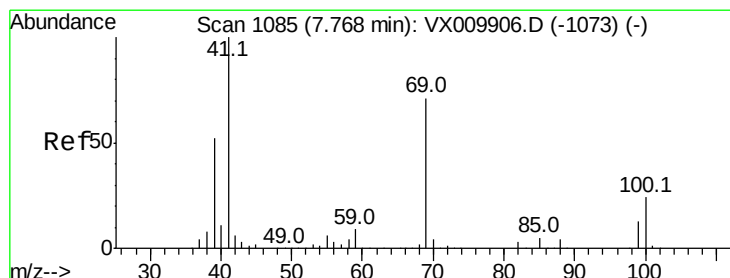
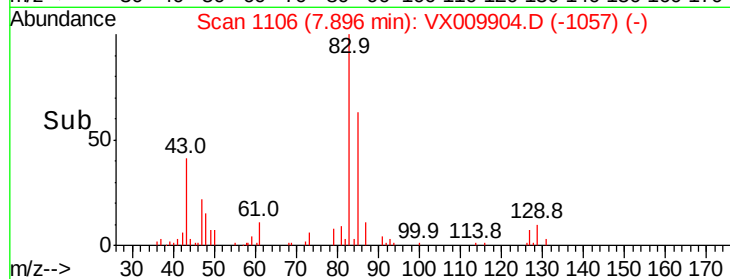
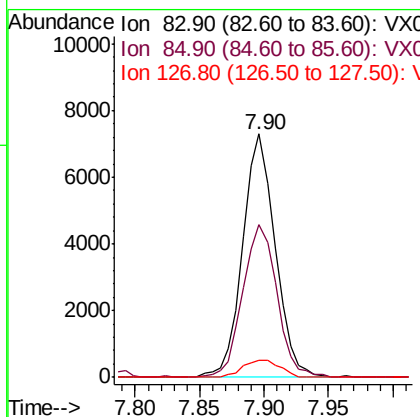
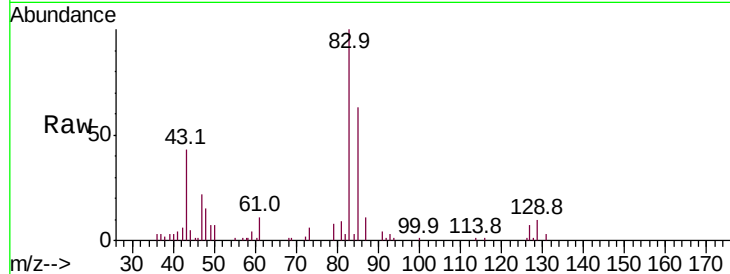
#47
 Bromodichloromethane
 Concen: 4.943 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	12732
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	51.4	77.2
127	7.0	6.4	9.6

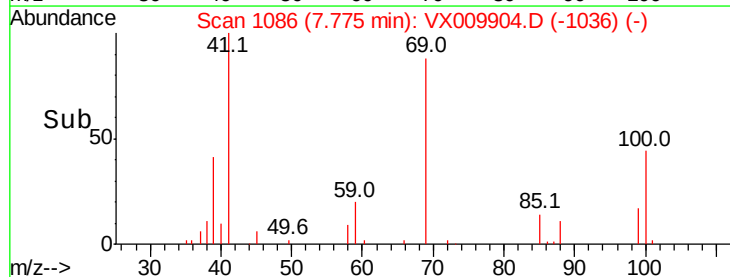
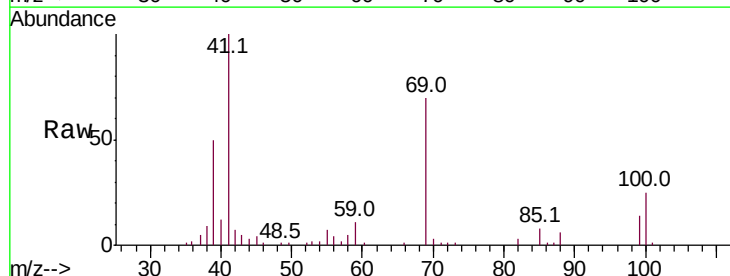
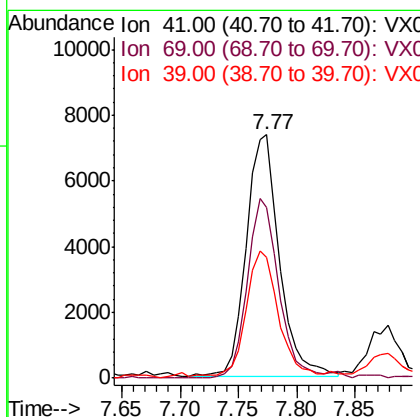
Manual Integrations
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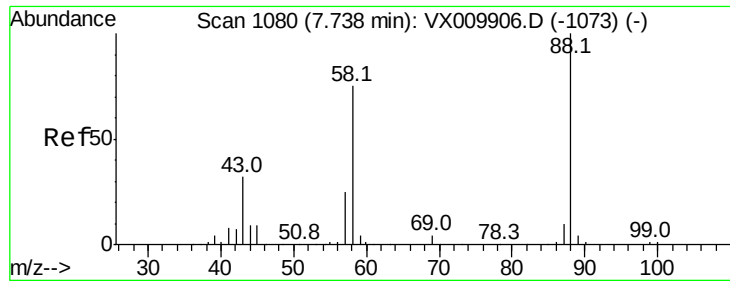
MMDadoda
 5/29/2019 9:24:42 AM



#48
 Methyl methacrylate
 Concen: 5.145 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion	41	Resp	14603
Ion Ratio	100	Lower	Upper
41	100		
69	70.4	56.4	84.6
39	50.8	40.6	60.8





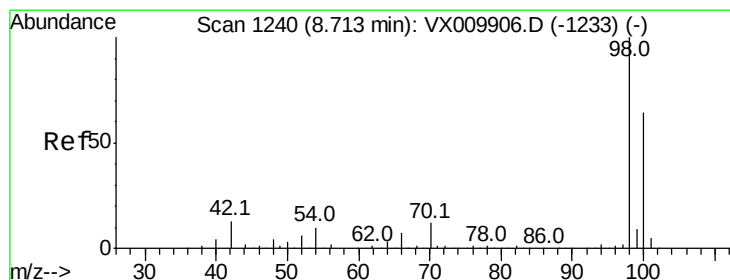
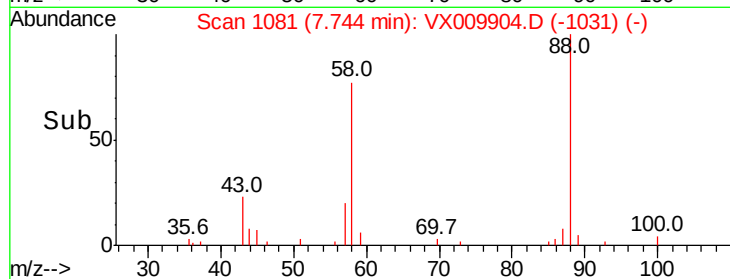
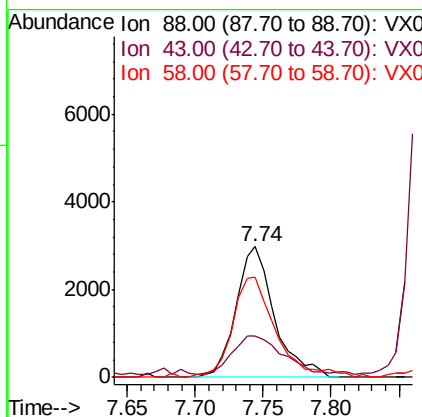
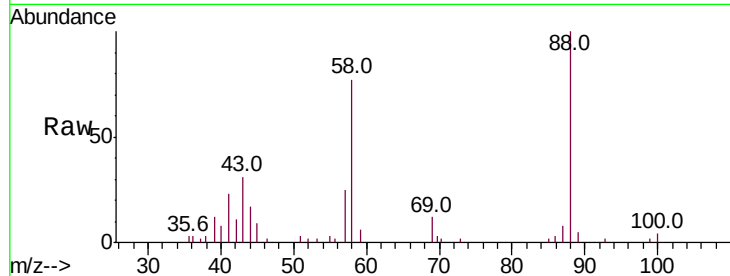
#49
1,4-Dioxane
Concen: 103.096 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	30.2	45.4
58	86.0	64.0	96.0

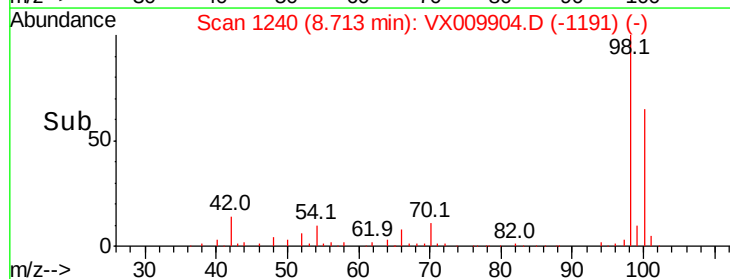
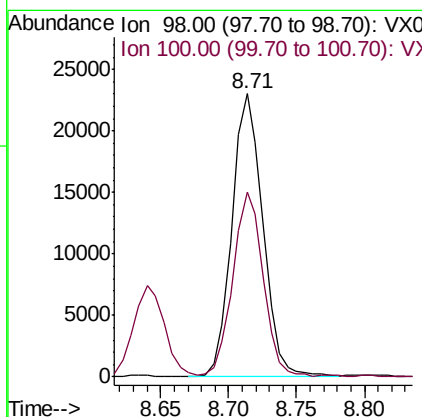
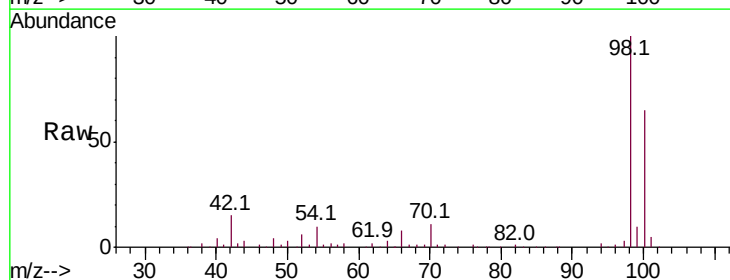
Manual Integrations
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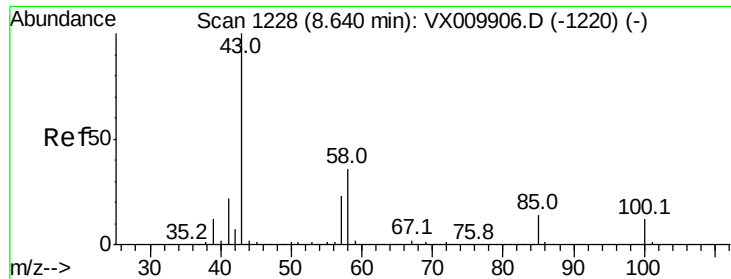
MMDadoda
5/29/2019 9:24:42 AM



#50
Toluene-d8
Concen: 5.334 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 27.178 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 101545

Ion Ratio Lower Upper

43 100

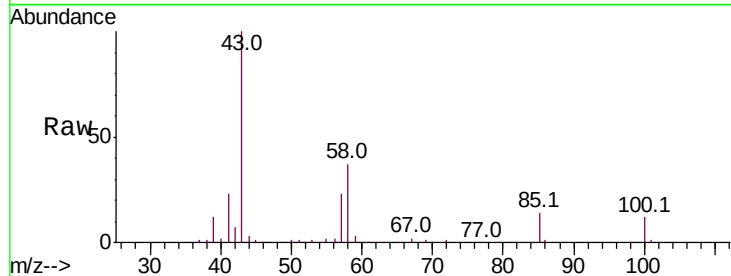
58 35.1 28.8 43.2

Manual Integrations

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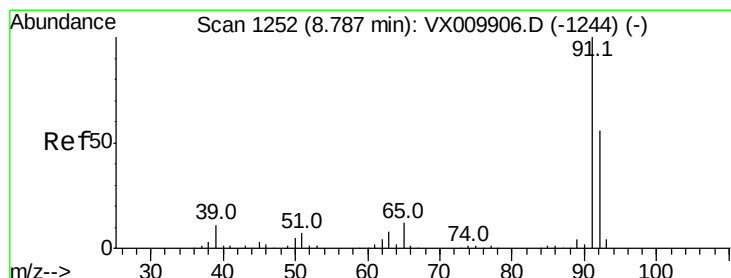
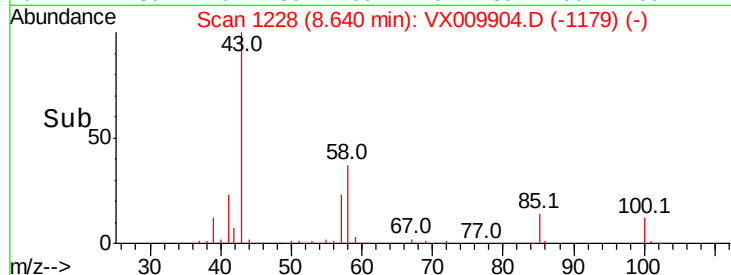
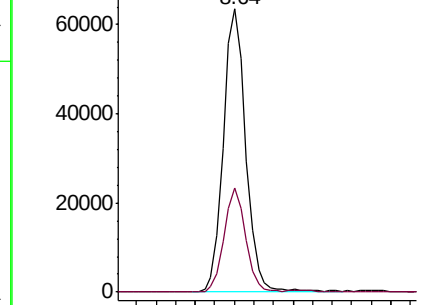
MMDadoda

5/29/2019 9:24:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.254 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009904.D

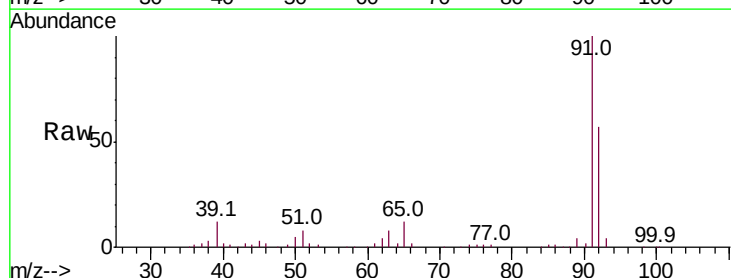
Acq: 28 May 2019 10:20

Tgt Ion: 92 Resp: 25152

Ion Ratio Lower Upper

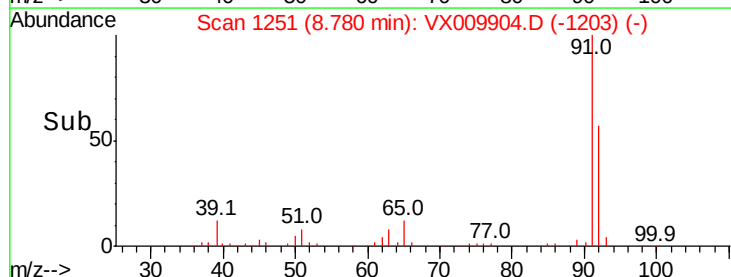
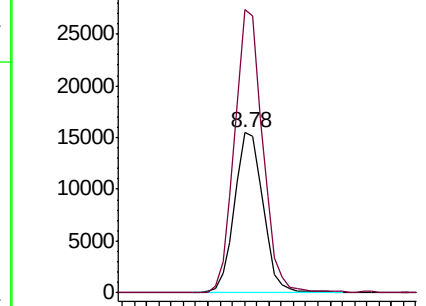
92 100

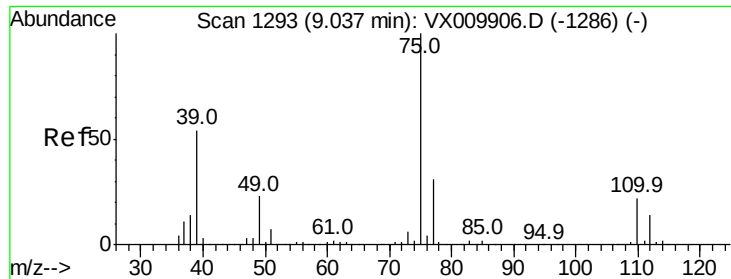
91 172.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





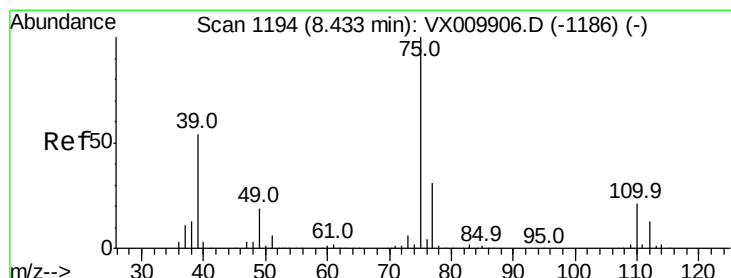
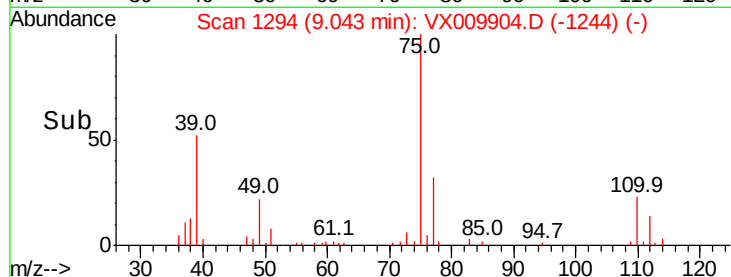
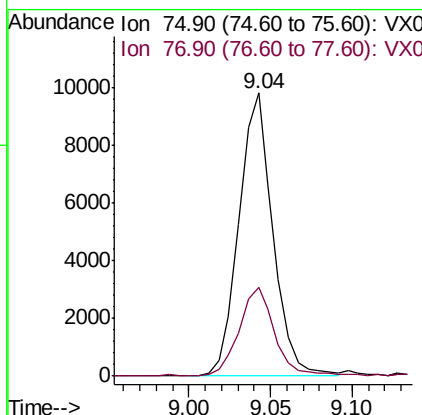
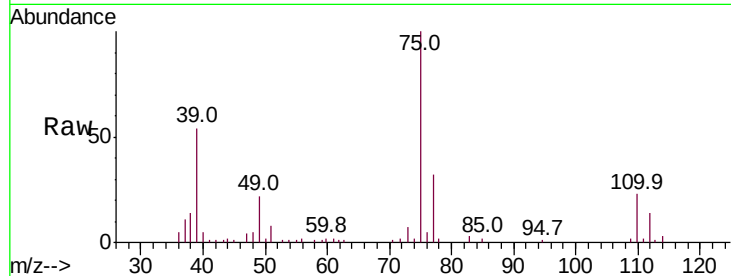
#53
t-1,3-Dichloropropene
Concen: 4.848 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 14213
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8

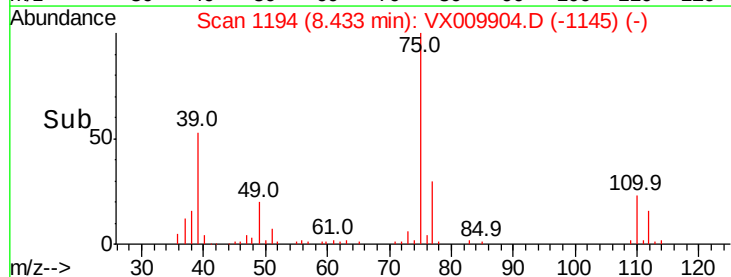
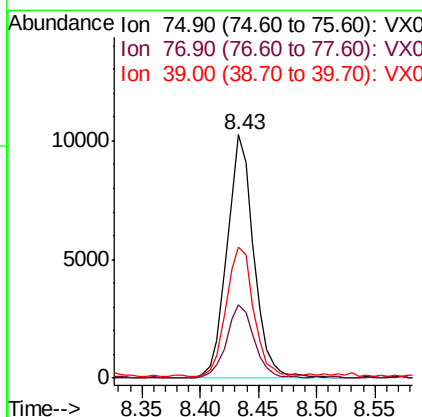
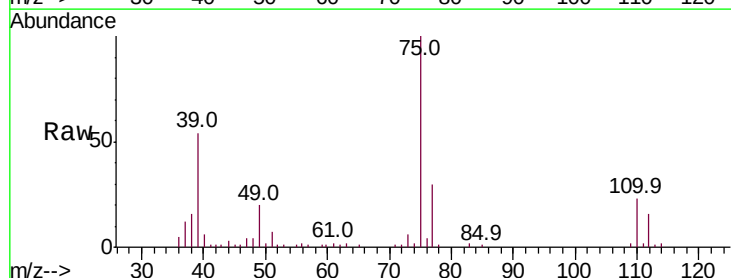
Manual Integrations
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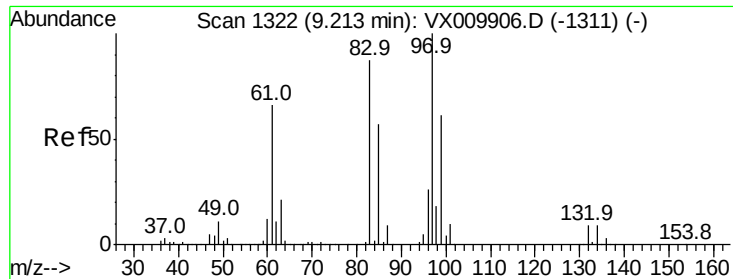
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.062 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion: 75 Resp: 16362
Ion Ratio Lower Upper
75 100
77 30.4 24.8 37.2
39 53.1 43.4 65.0





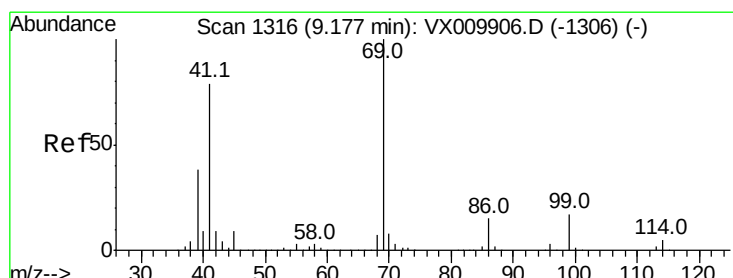
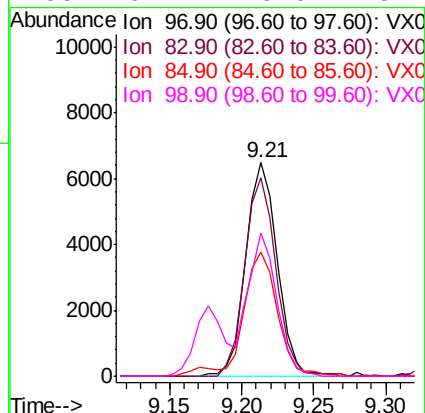
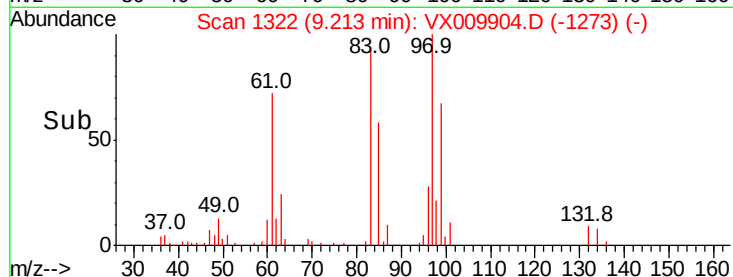
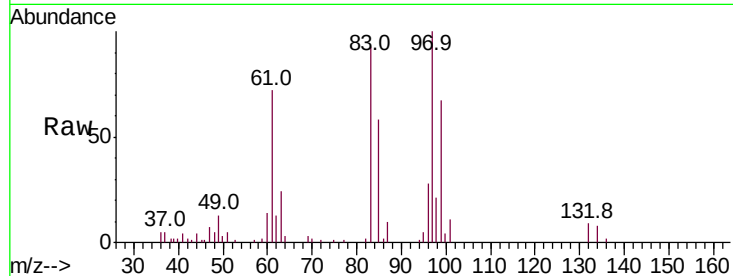
#55
 1,1,2-Trichloroethane
 Concen: 5.058 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9829
Ion	Ratio	Lower	Upper
97	100		
83	92.8	69.8	104.8
85	57.2	45.3	67.9
99	67.4	49.0	73.4

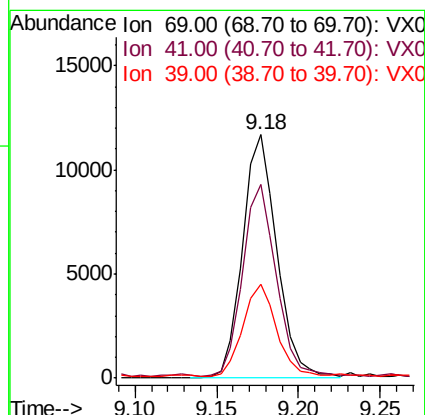
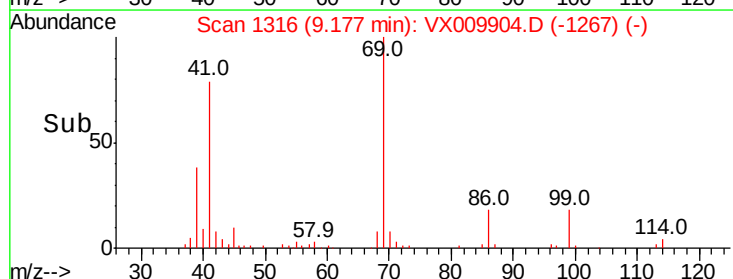
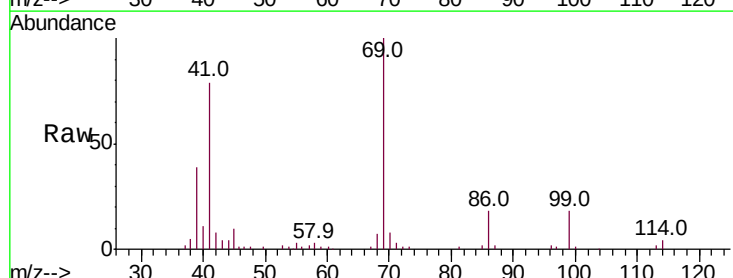
Manual Integrations
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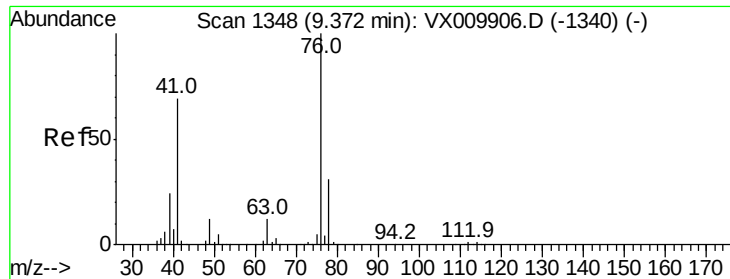
MMDadoda
 5/29/2019 9:24:42 AM



#56
 Ethyl methacrylate
 Concen: 4.909 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion:	69	Resp:	17151
Ion	Ratio	Lower	Upper
69	100		
41	77.5	62.7	94.1
39	37.2	29.5	44.3





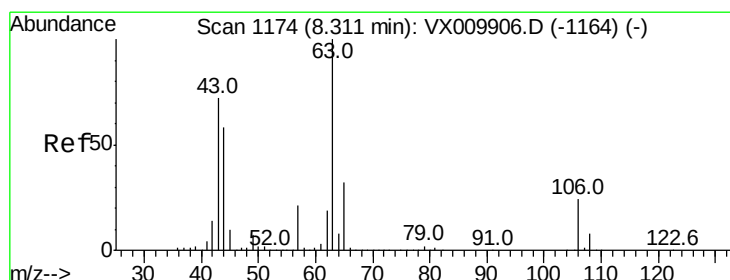
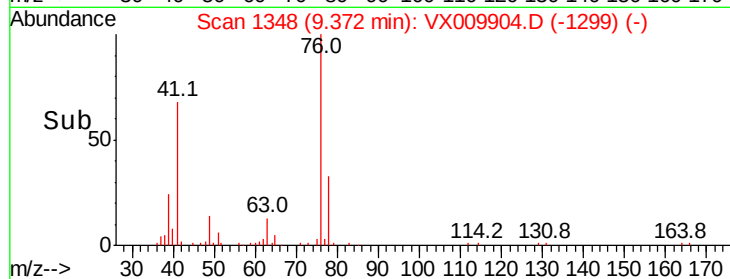
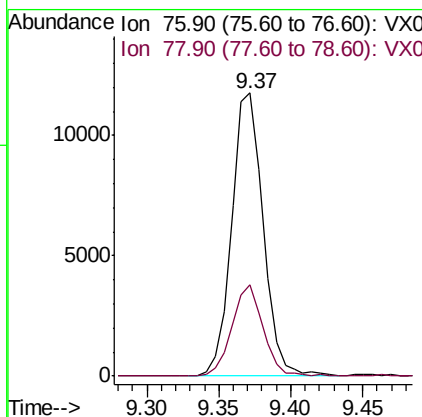
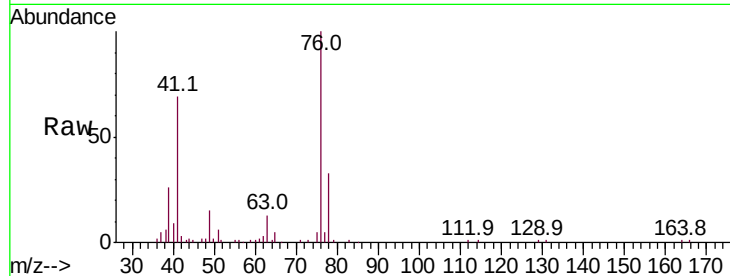
#57
 1,3-Dichloropropane
 Concen: 5.251 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 18034
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0

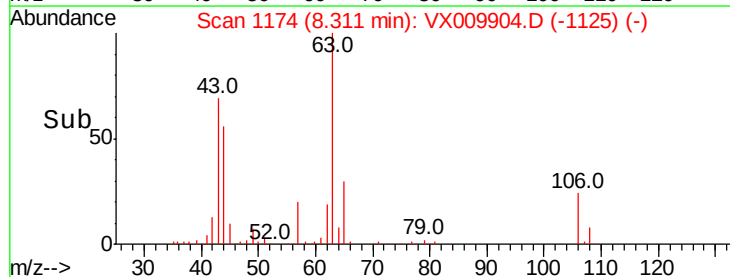
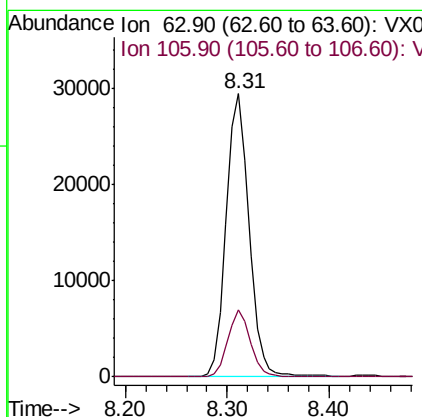
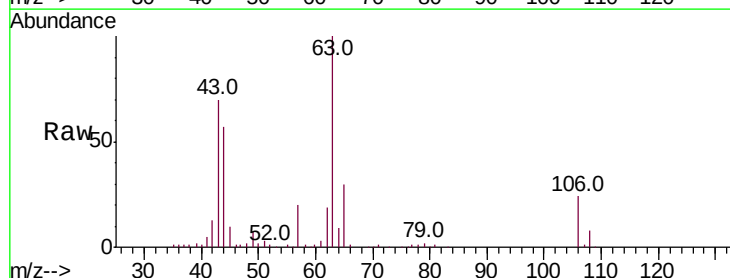
Manual Integrations
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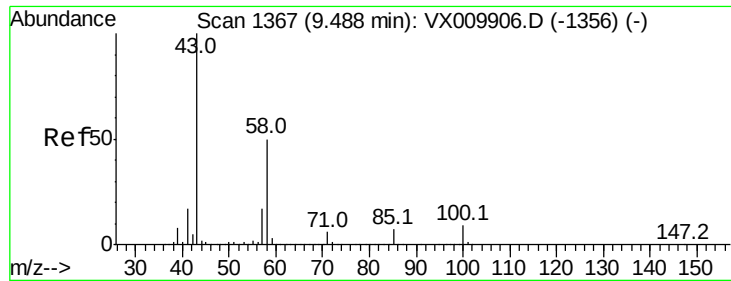
MMDadoda
 5/29/2019 9:24:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.953 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion: 63 Resp: 45766
 Ion Ratio Lower Upper
 63 100
 106 23.1 19.4 29.2





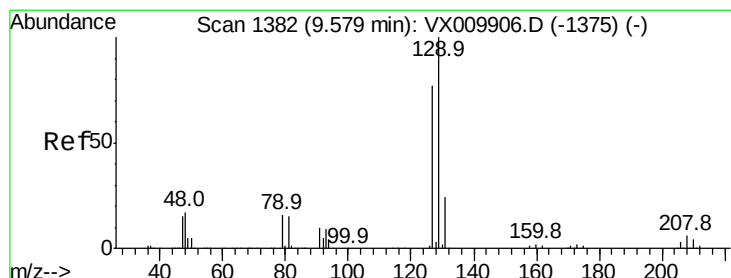
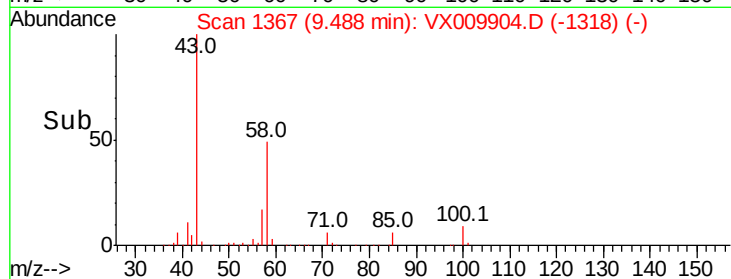
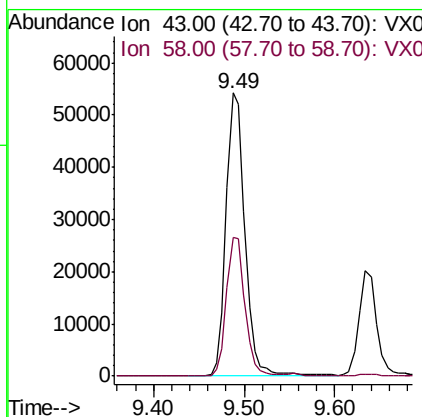
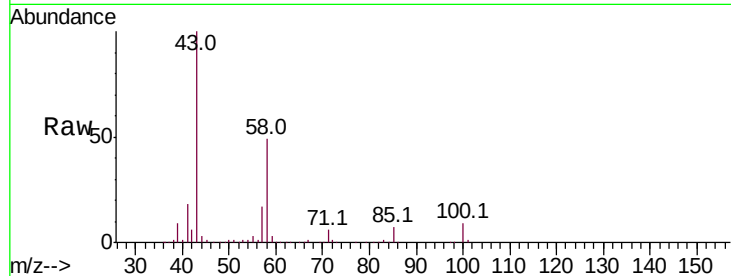
#59
2-Hexanone
Concen: 26.929 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 78950
Ion Ratio Lower Upper
43 100
58 48.4 25.1 75.3

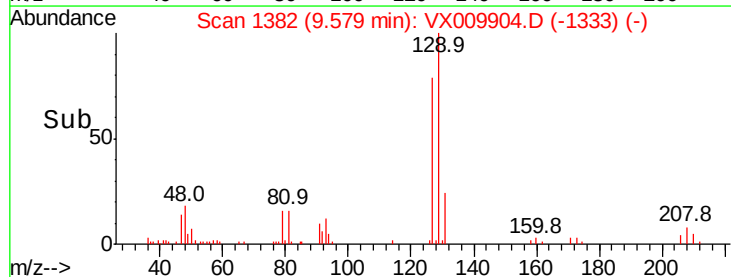
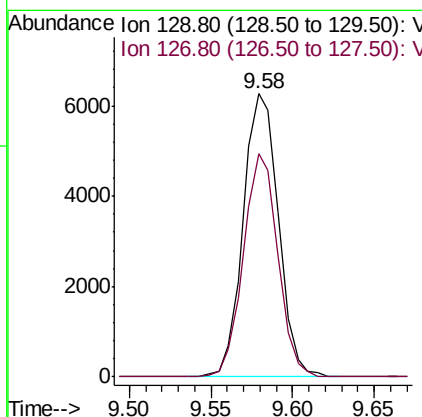
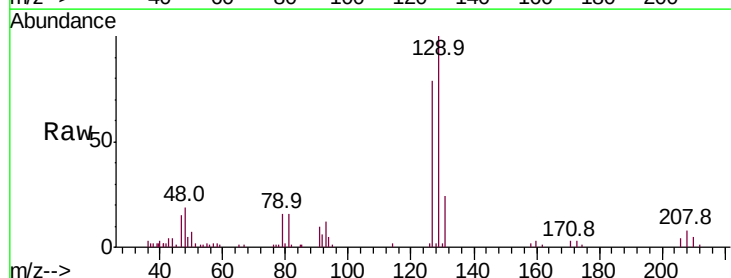
Manual Integrations
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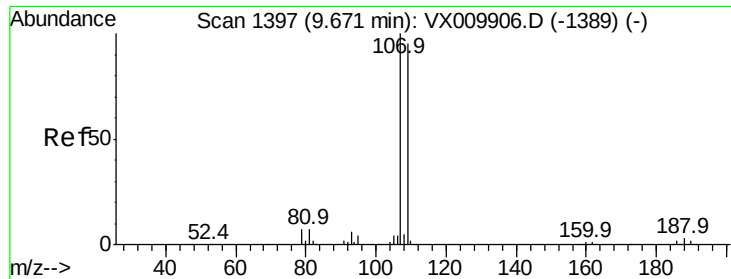
MMDadoda
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#60
Dibromochloromethane
Concen: 4.954 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion: 129 Resp: 9438
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





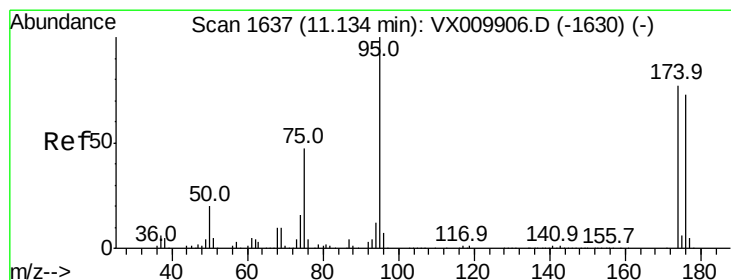
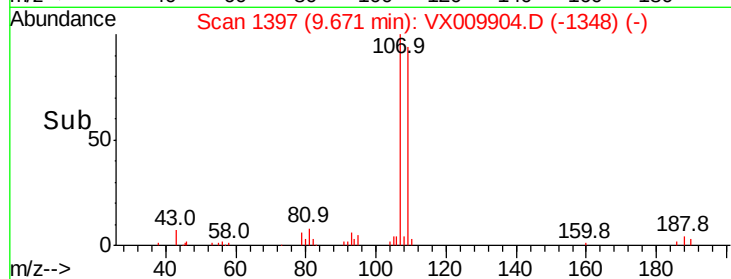
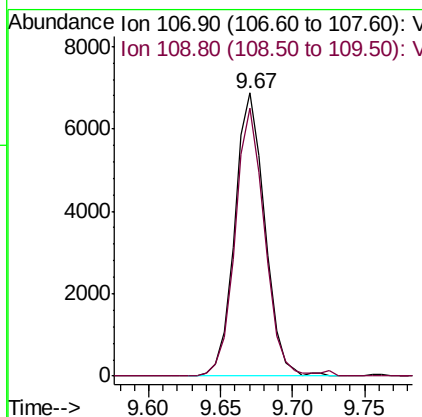
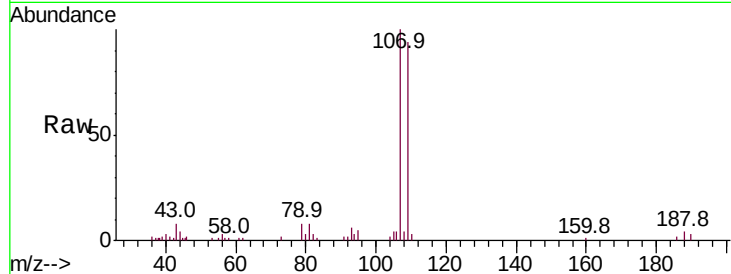
#61
 1,2-Dibromoethane
 Concen: 5.081 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.4	113.2

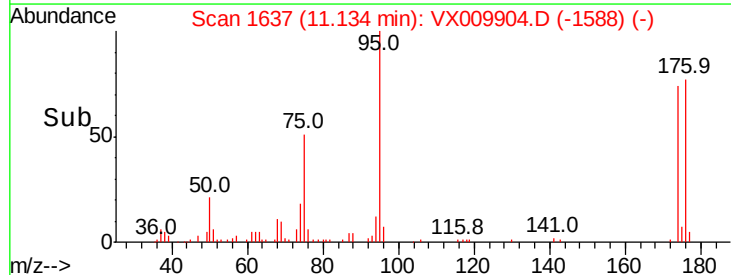
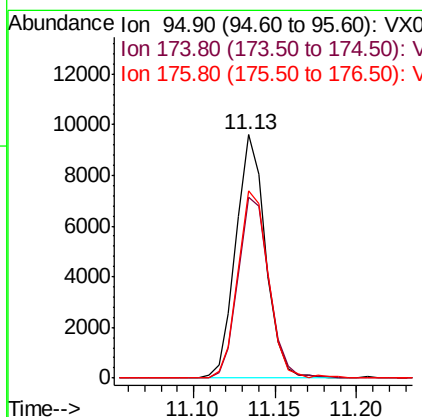
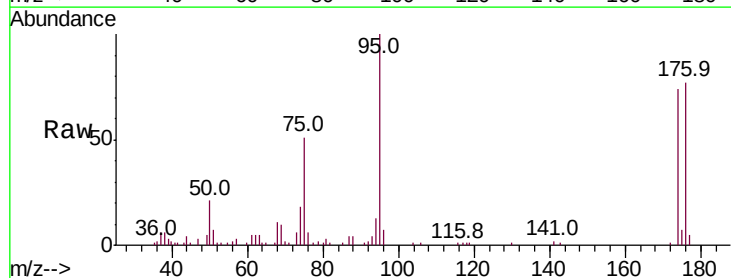
Manual Integrations
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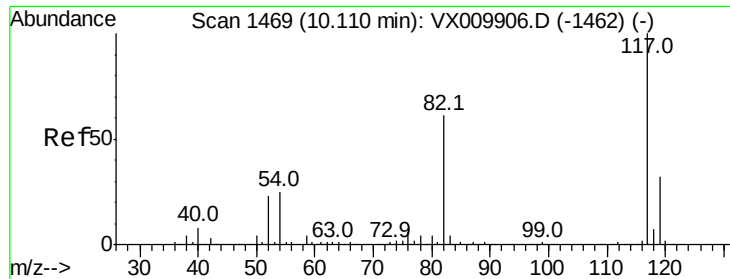
MMDadoda
 5/29/2019 9:24:42 AM



#62
 4-Bromofluorobenzene
 Concen: 4.902 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	160.4
176	78.4	0.0	154.6





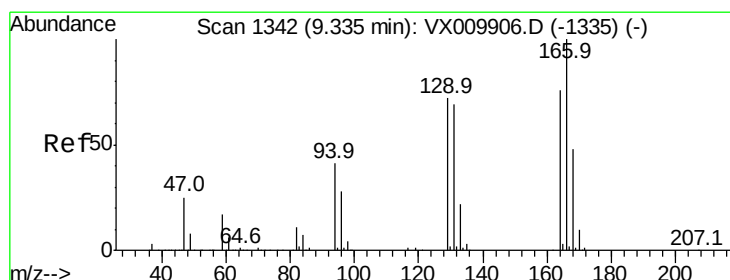
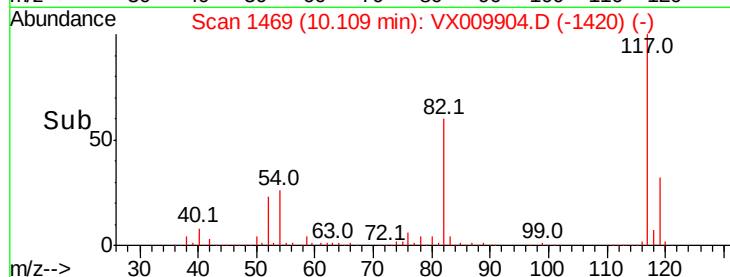
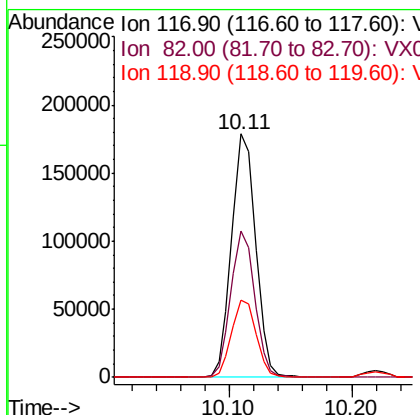
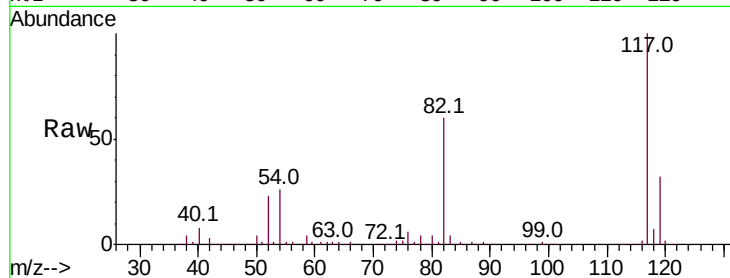
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	49.2	73.8
119	31.8	25.2	37.8

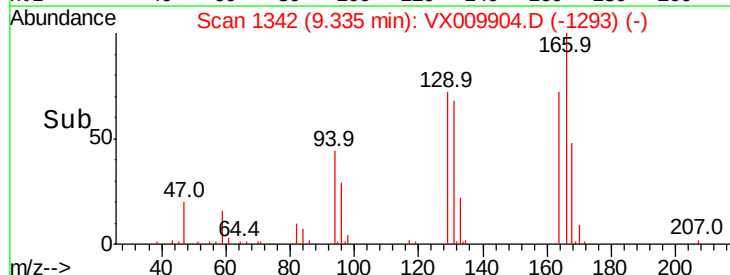
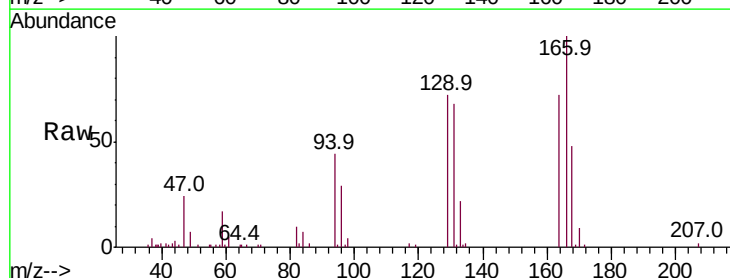
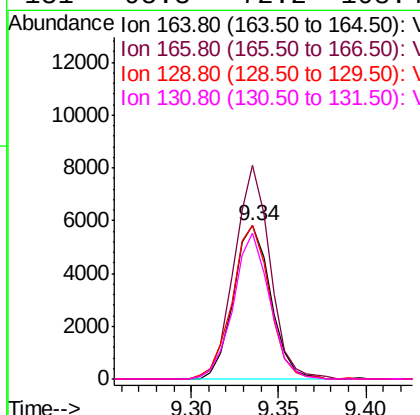
Manual Integrations
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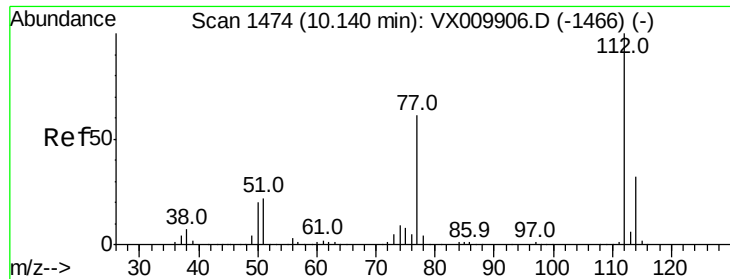
MMDadoda
5/29/2019 9:24:42 AM



#64
Tetrachloroethene
Concen: 5.101 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	139.4	105.0	157.4
129	100.7	75.1	112.7
131	95.3	72.2	108.4





#65

Chlorobenzene

Concen: 5.256 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 25840

Ion Ratio Lower Upper

112 100

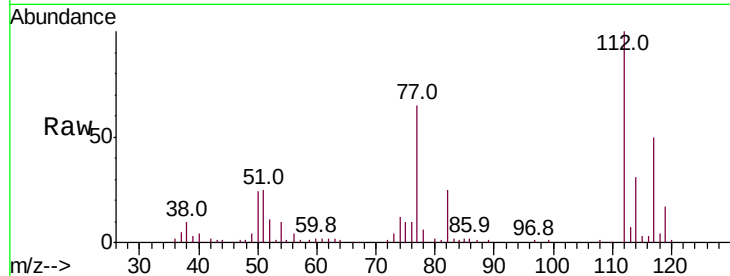
114 30.6 25.8 38.8

Manual Integrations

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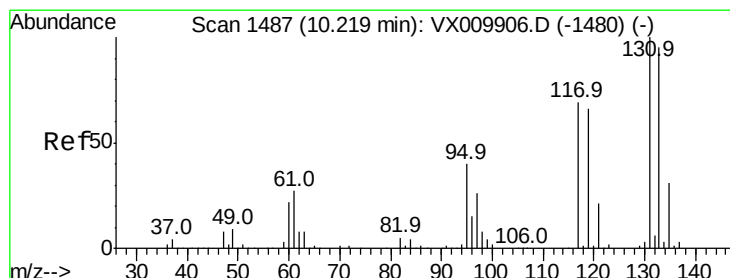
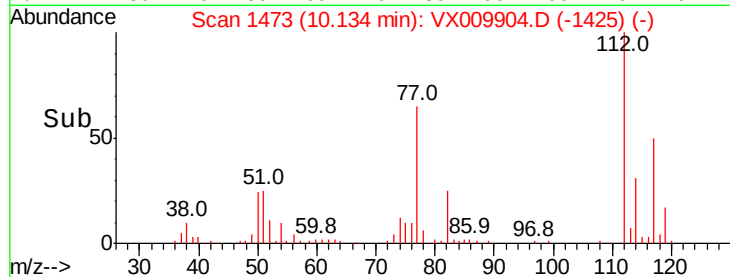
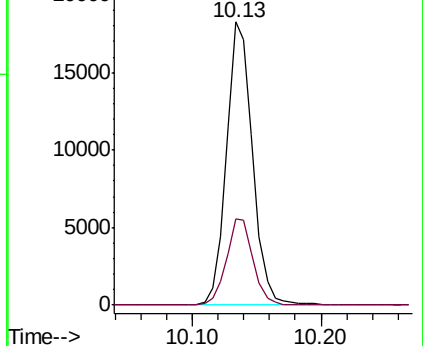
MMDadoda

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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: 4.937 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

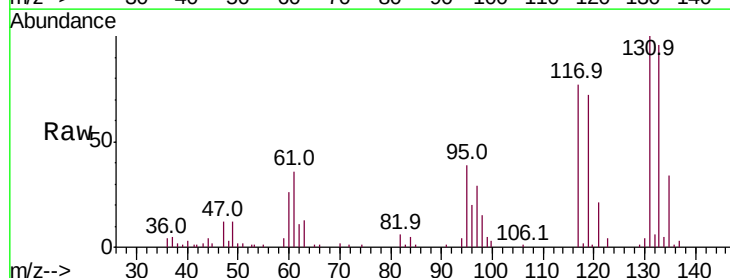
Tgt Ion:131 Resp: 8788

Ion Ratio Lower Upper

131 100

133 93.3 47.5 142.6

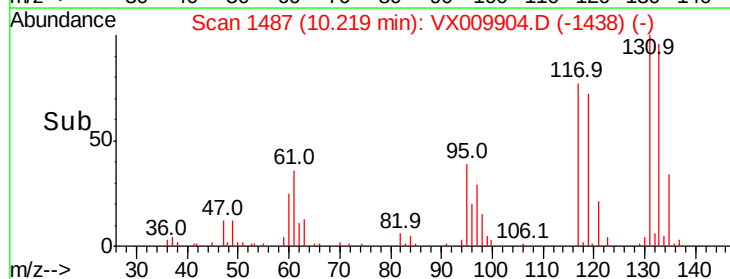
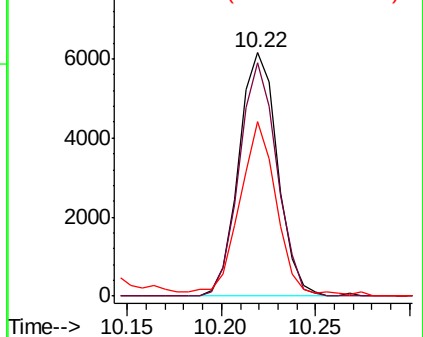
119 69.2 33.4 100.1

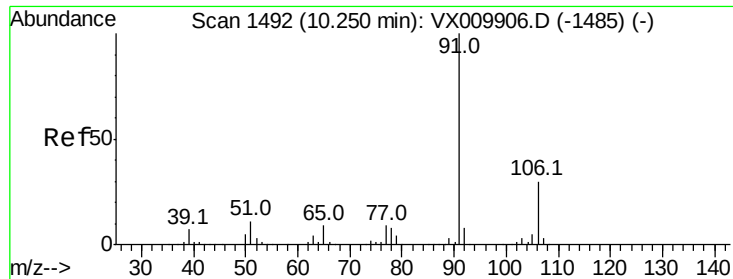


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





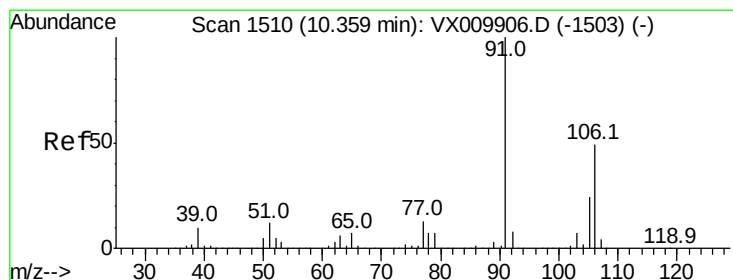
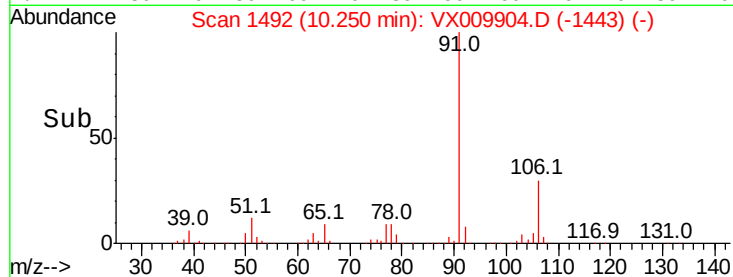
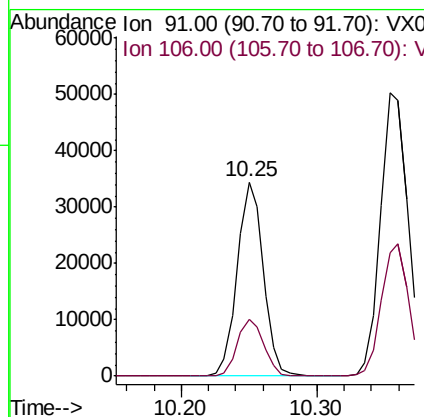
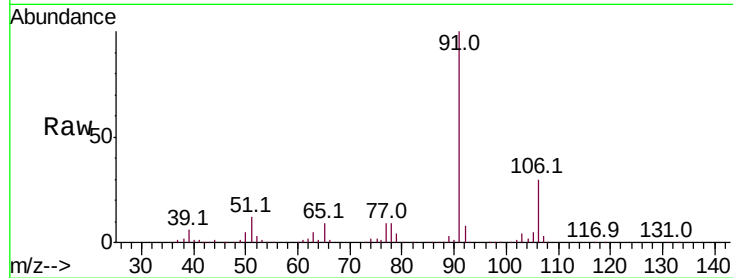
#67
Ethyl Benzene
Concen: 5.107 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 46228
Ion Ratio Lower Upper
91 100
106 29.5 23.9 35.9

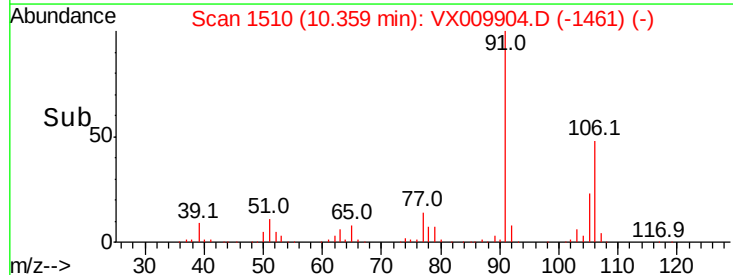
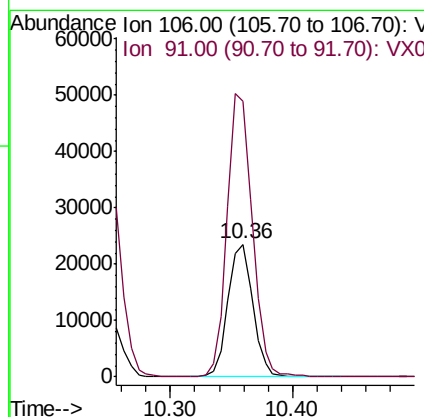
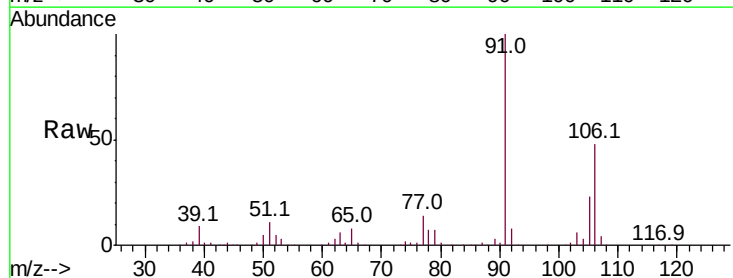
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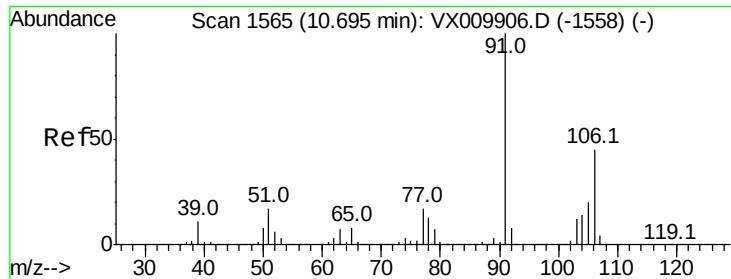
MMDadoda
5/29/2019 9:24:42 AM



#68
m/p-Xylenes
Concen: 10.114 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion: 106 Resp: 33486
Ion Ratio Lower Upper
106 100
91 212.7 167.3 250.9





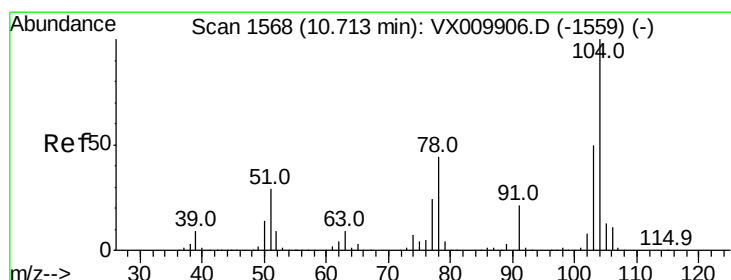
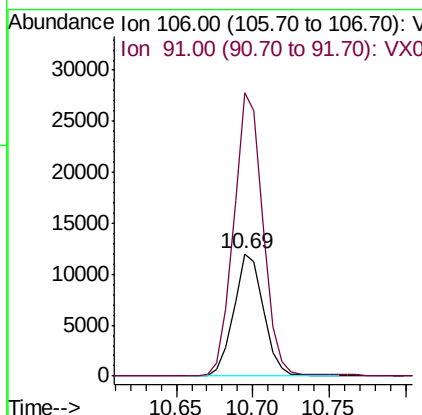
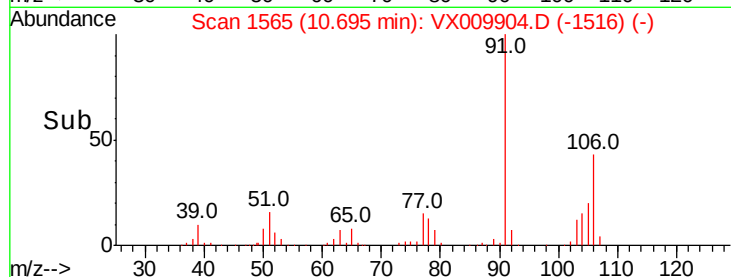
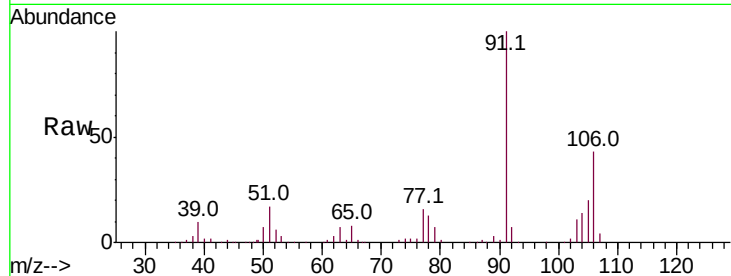
#69
o-Xylene
Concen: 4.924 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 16076
Ion Ratio Lower Upper
106 100
91 229.1 110.4 331.2

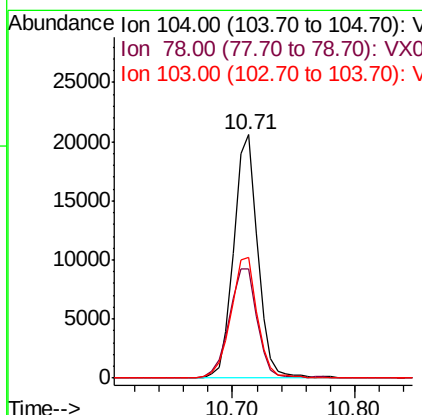
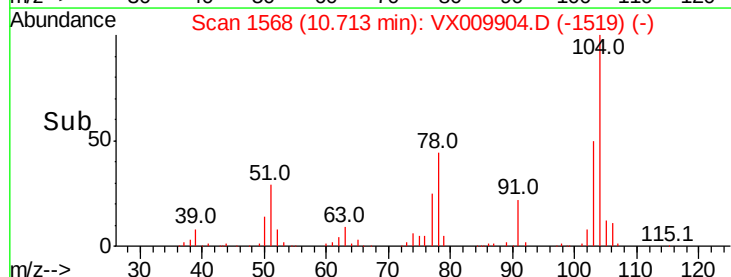
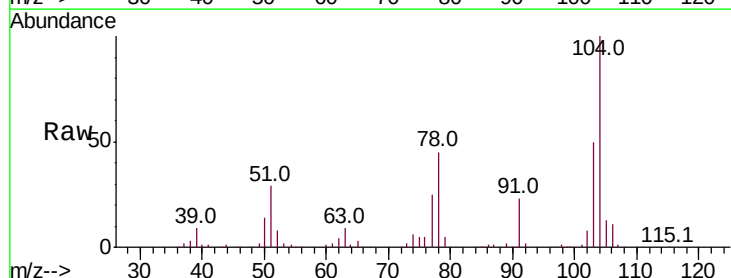
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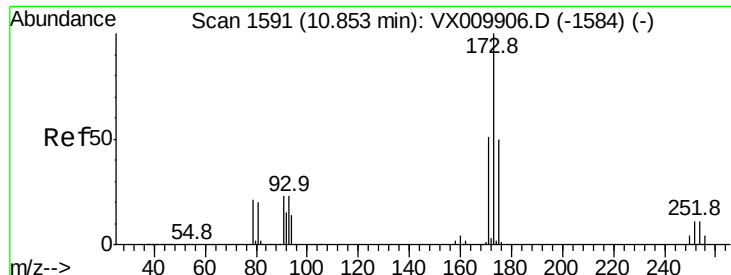
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#70
Styrene
Concen: 4.916 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion:104 Resp: 27821
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 54.7 44.1 66.1





#71

Bromoform

Concen: 4.849 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7025

Ion Ratio Lower Upper

173 100

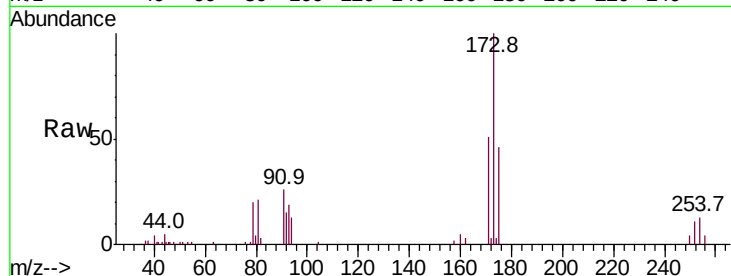
175 48.9 25.0 75.0

254 0.0 0.2 0.2#

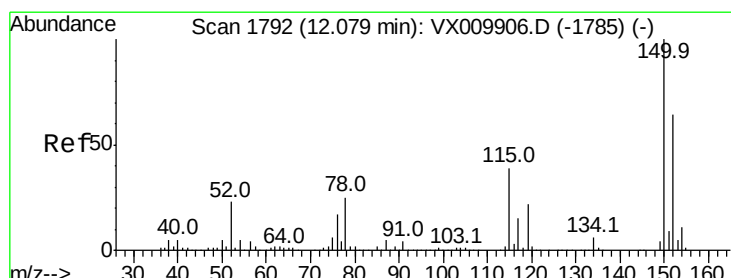
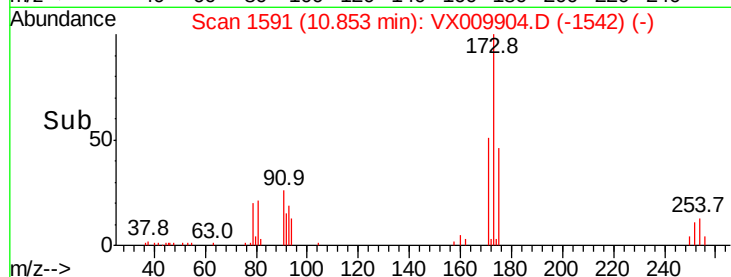
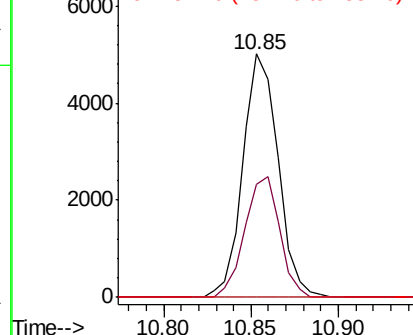
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

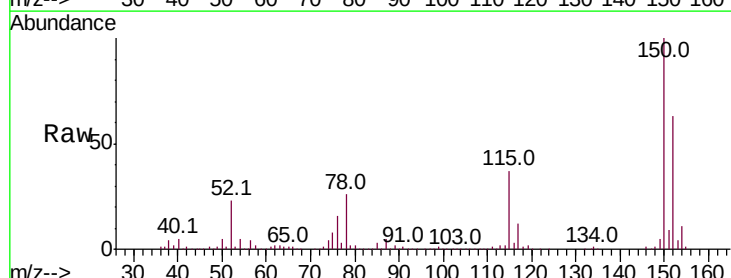
Tgt Ion:152 Resp: 116229

Ion Ratio Lower Upper

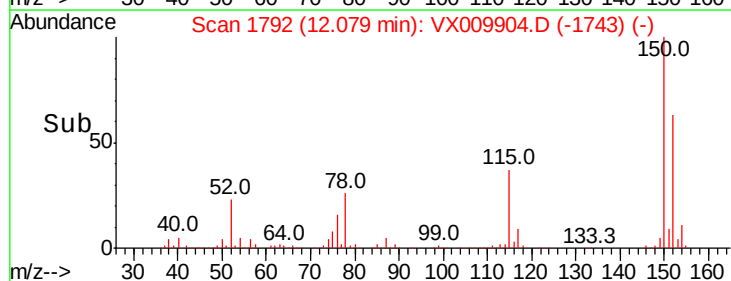
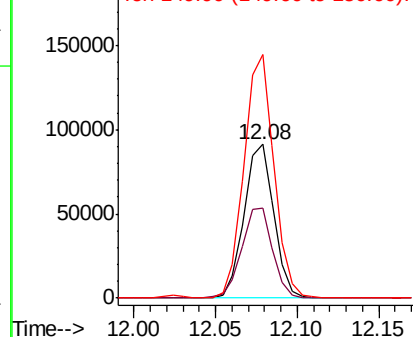
152 100

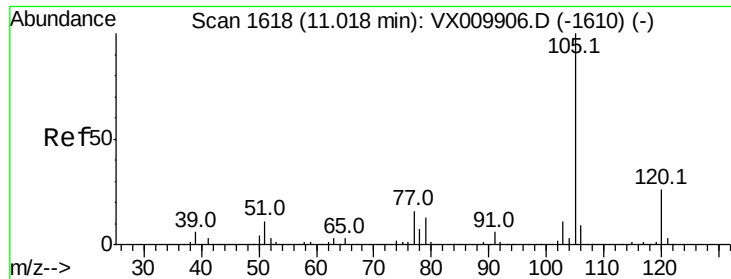
115 61.1 41.4 124.2

150 158.7 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





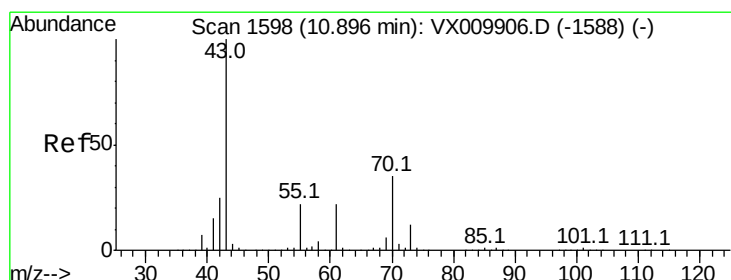
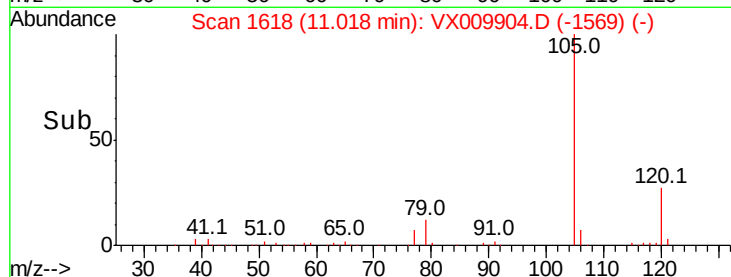
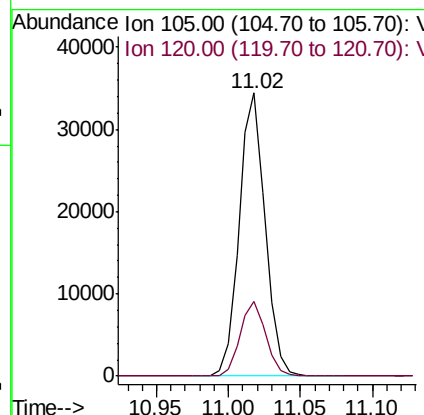
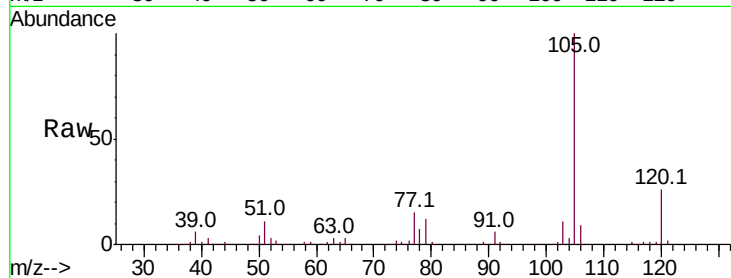
#73
Isopropylbenzene
Concen: 5.090 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:105 Resp: 43285
Ion Ratio Lower Upper
105 100
120 26.3 12.8 38.4

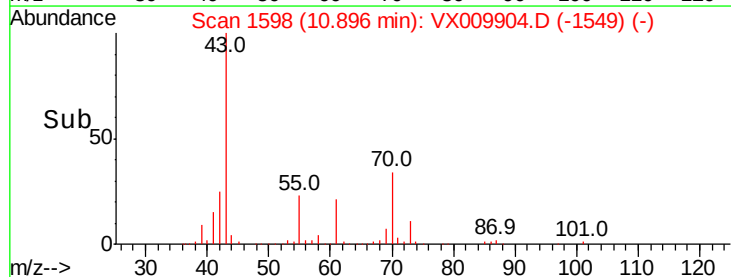
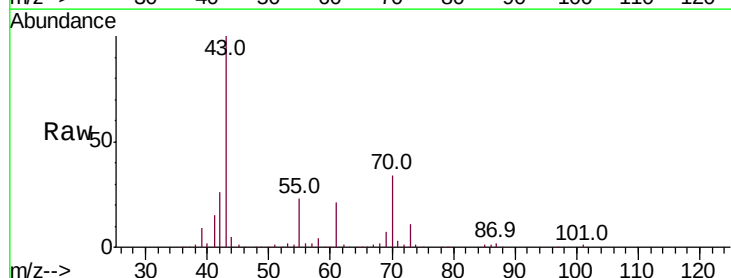
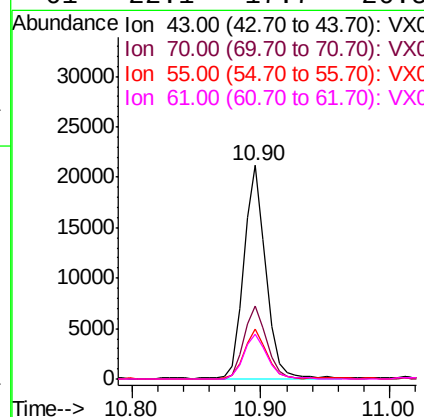
Manual Integrations
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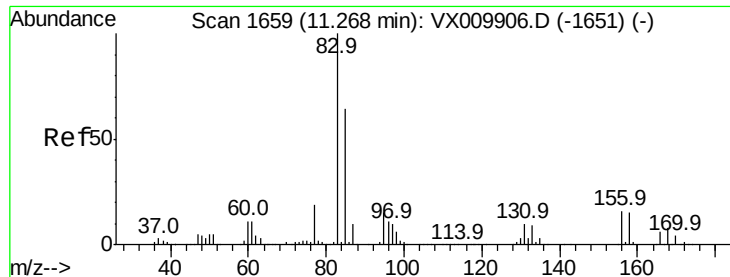
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#74
N-ethyl acetate
Concen: 5.045 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion: 43 Resp: 25104
Ion Ratio Lower Upper
43 100
70 36.0 28.6 43.0
55 23.8 17.8 26.8
61 22.1 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.286 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

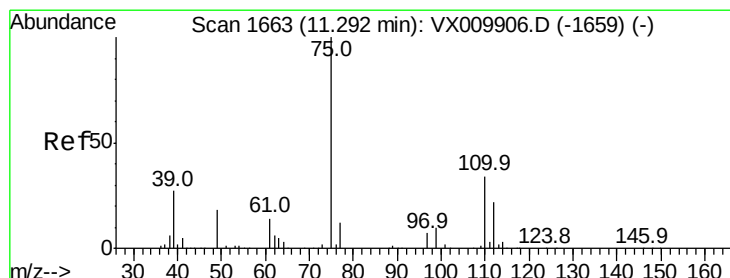
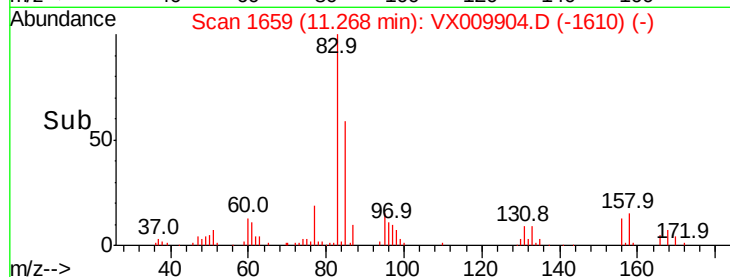
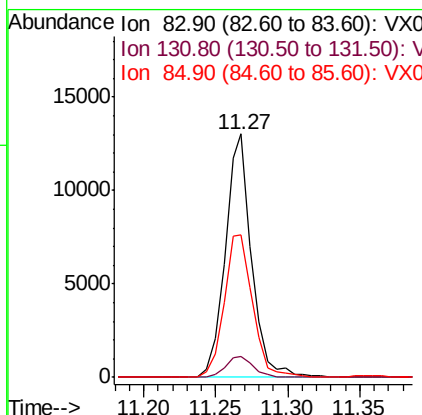
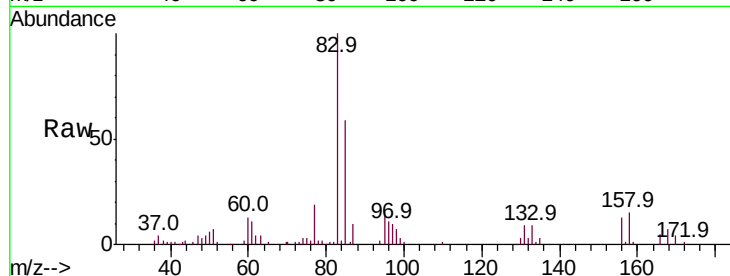
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16680
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.1
85	63.4	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.454 ug/l m

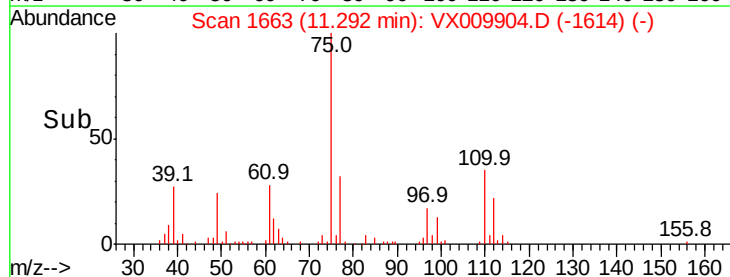
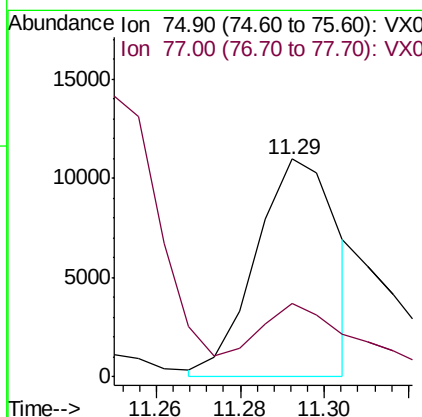
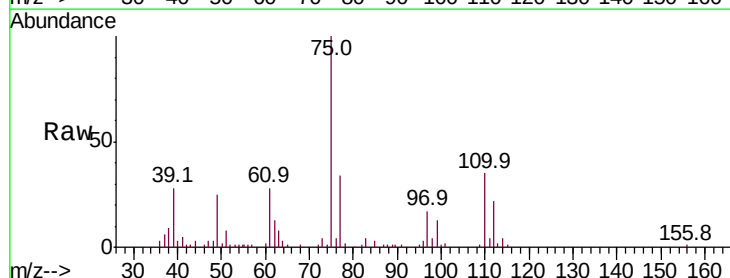
RT: 11.29 min Scan# 1663

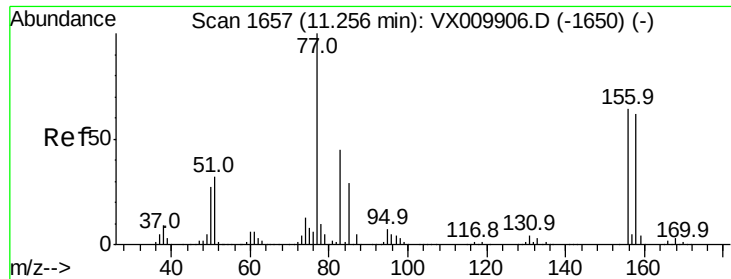
Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Tgt Ion:	75	Resp:	14802
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.1	66.1





#77

Bromobenzene

Concen: 5.013 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 10570

Ion Ratio Lower Upper

156 100

77 176.3 86.8 260.3

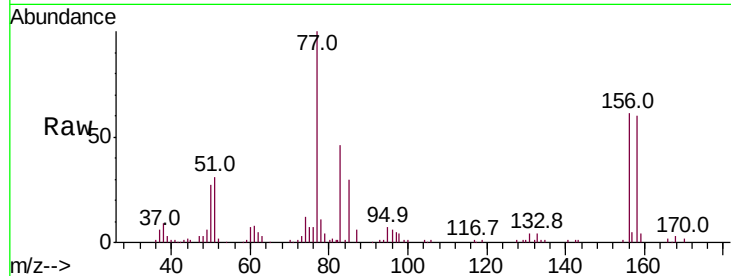
158 99.5 49.6 148.8

Manual Integrations

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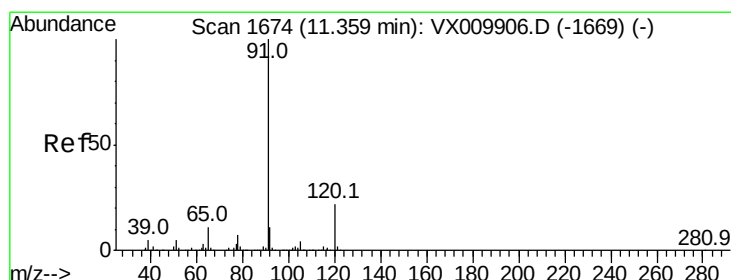
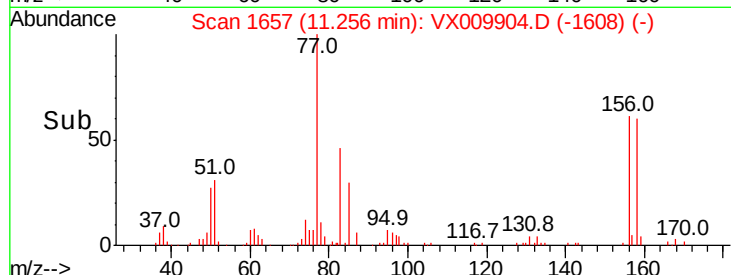
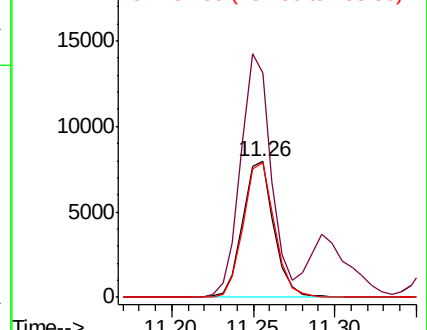
5/29/2019 9:24:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.046 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009904.D

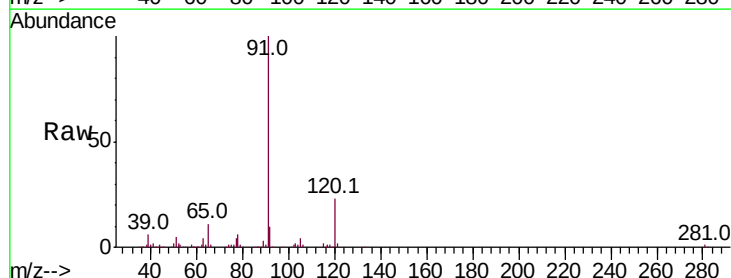
Acq: 28 May 2019 10:20

Tgt Ion: 91 Resp: 49101

Ion Ratio Lower Upper

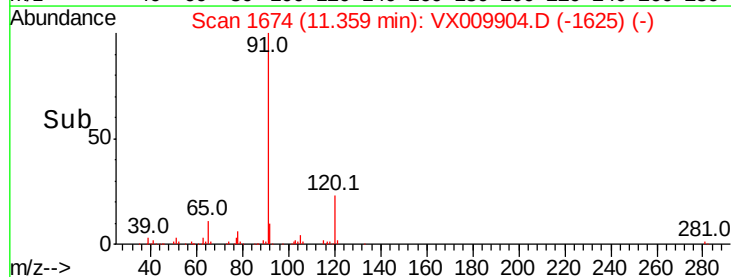
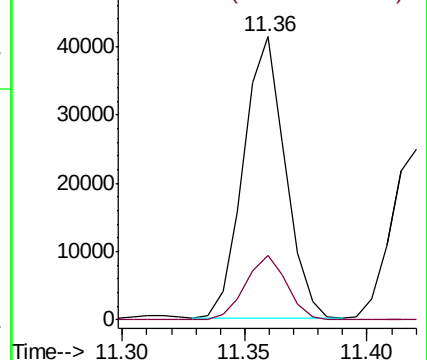
91 100

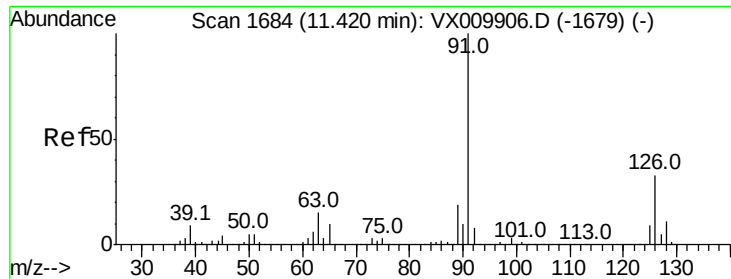
120 22.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.107 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 30677

Ion Ratio Lower Upper

91 100

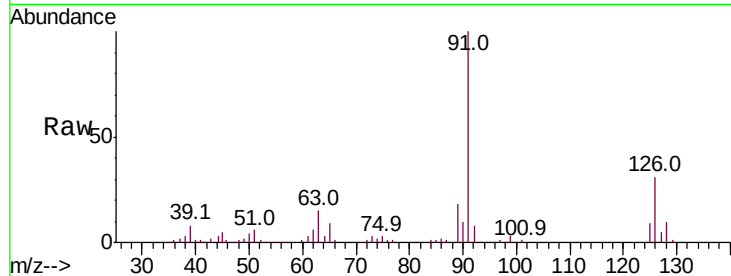
126 33.3 16.1 48.3

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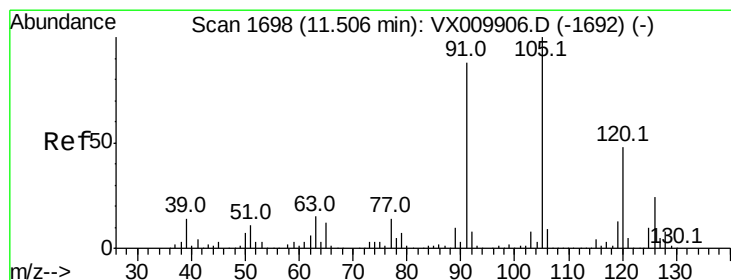
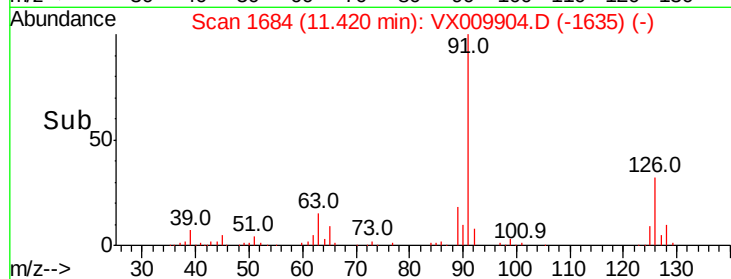
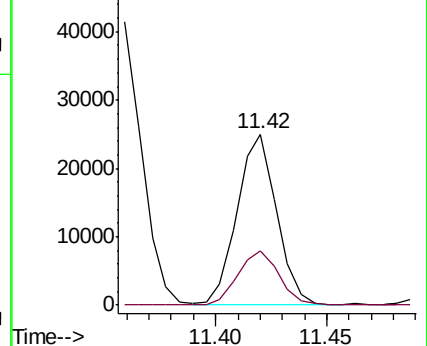
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5/29/2019 9:24:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.129 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009904.D

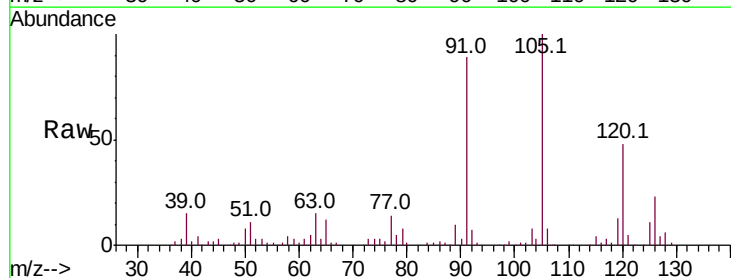
Acq: 28 May 2019 10:20

Tgt Ion:105 Resp: 36779

Ion Ratio Lower Upper

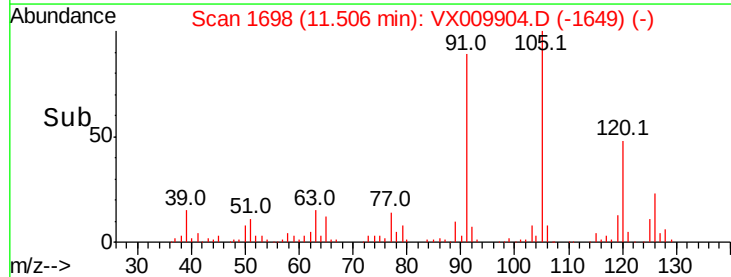
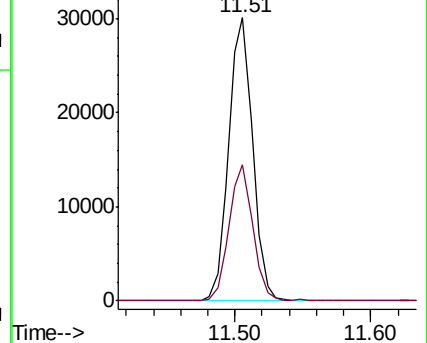
105 100

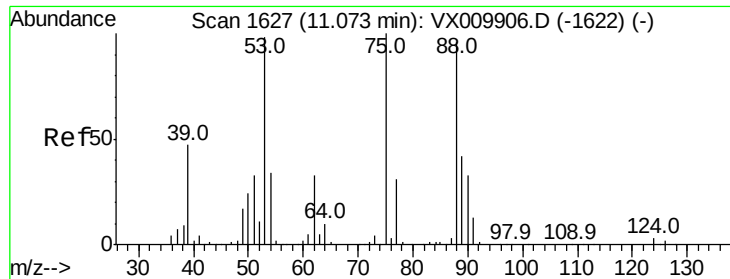
120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.888 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

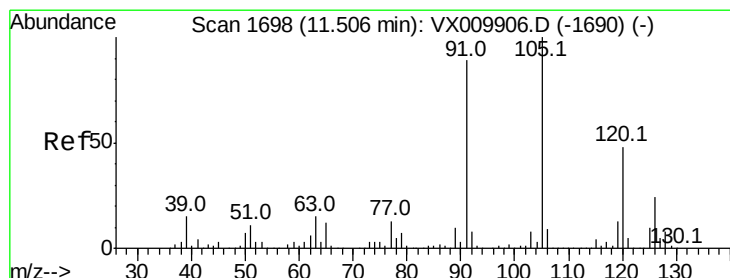
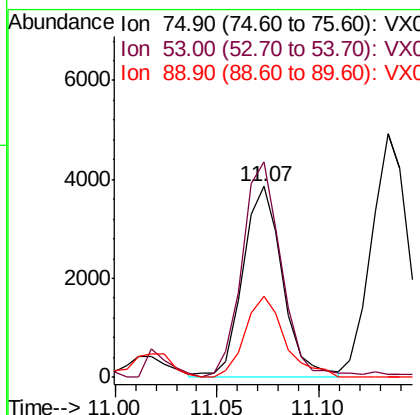
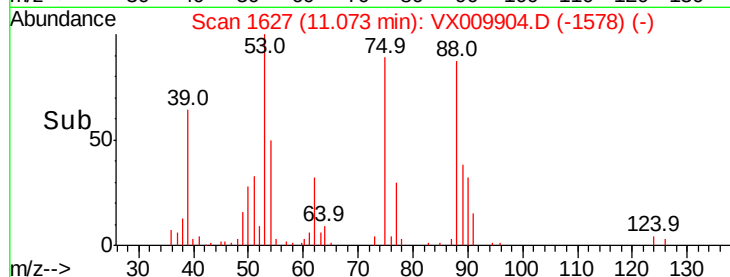
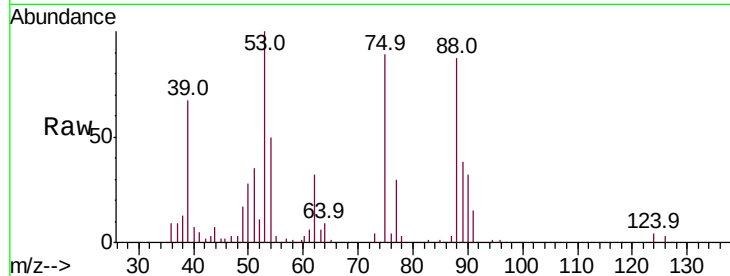
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5212
Ion	Ratio	Lower	Upper
75	100		
53	111.5	79.8	119.6
89	42.7	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.250 ug/l

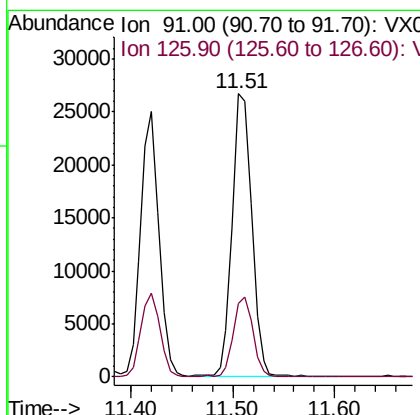
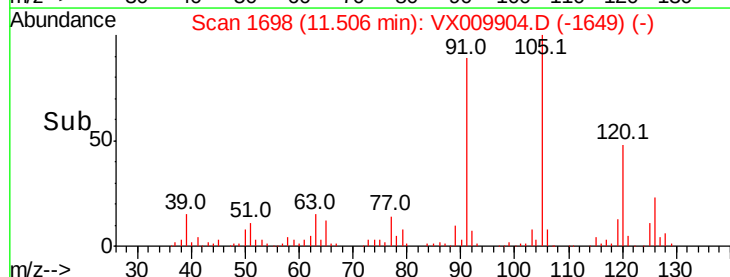
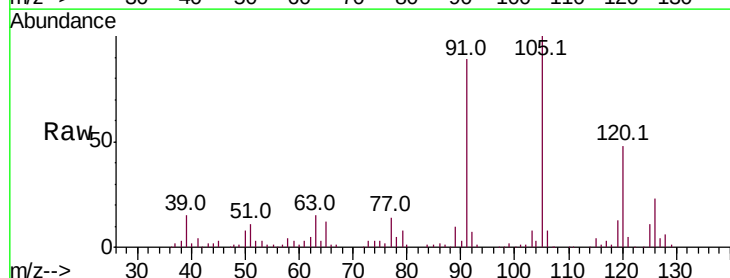
RT: 11.51 min Scan# 1698

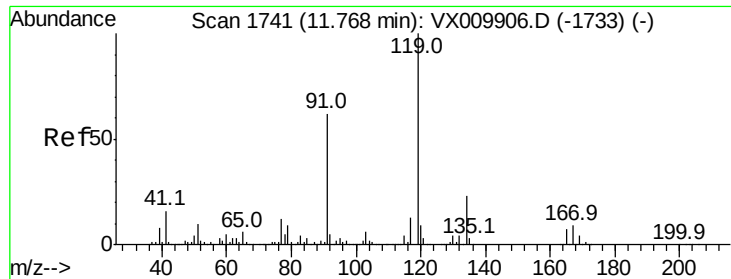
Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Tgt Ion:	91	Resp:	35656
Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6





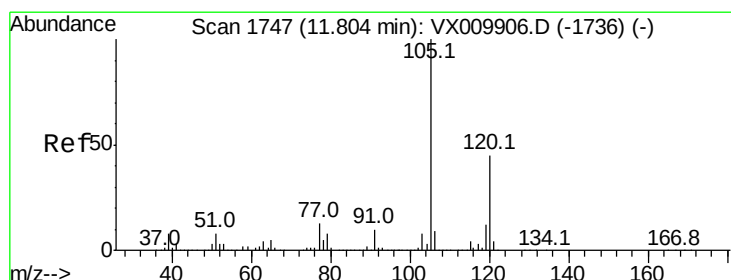
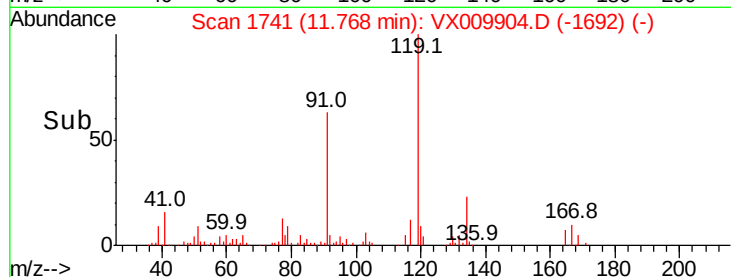
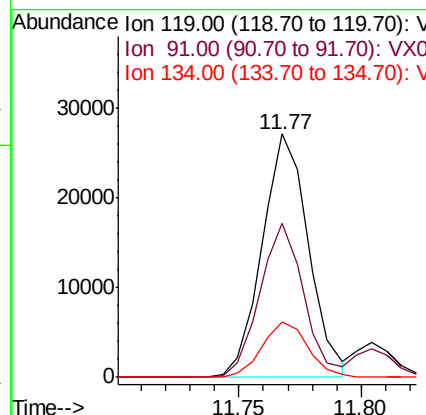
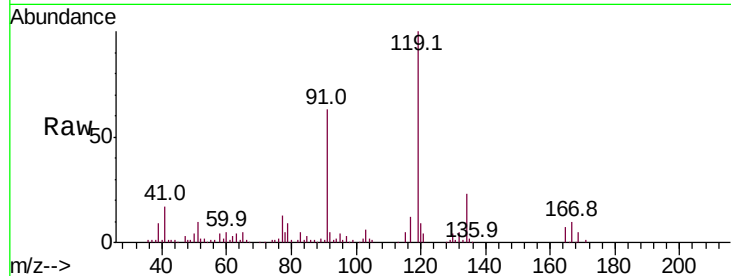
#83
 tert-Butylbenzene
 Concen: 5.122 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	35665		
91	60.1		30.0	90.0
134	22.5		11.2	33.5

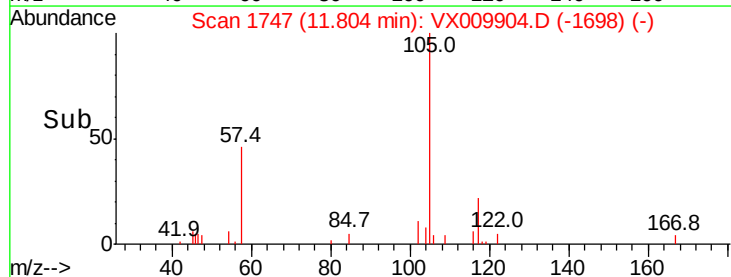
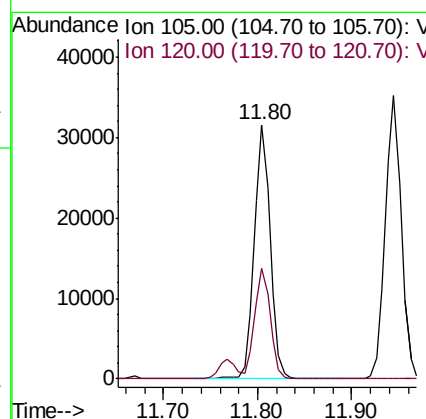
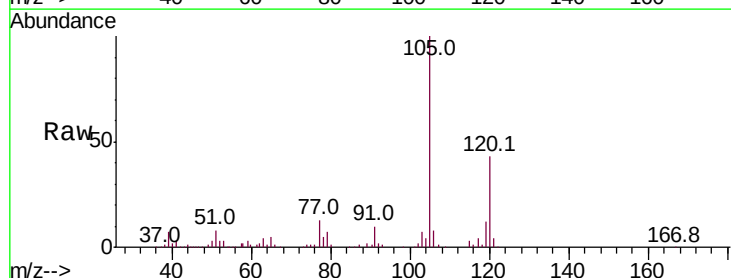
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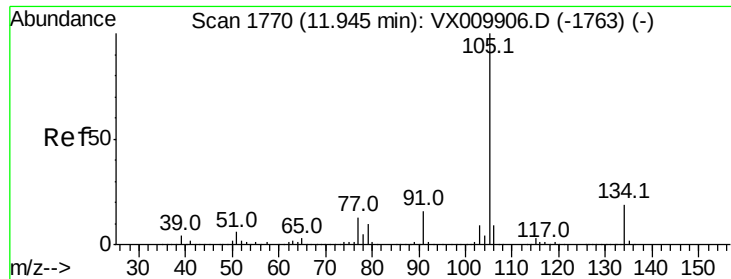
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.247 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	37766		
120	42.4		22.1	66.1





#85

sec-Butylbenzene

Concen: 5.048 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 41688

Ion Ratio Lower Upper

105 100

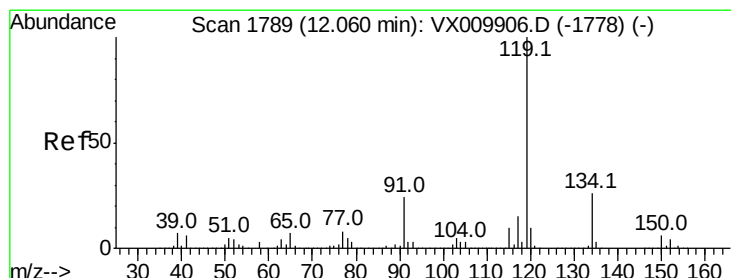
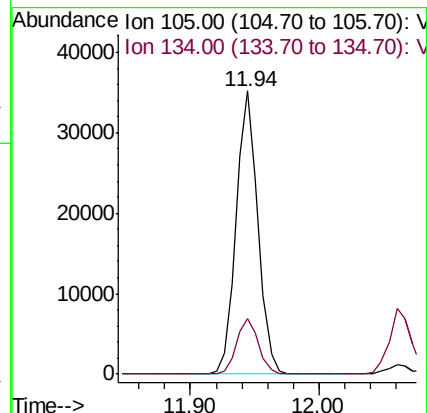
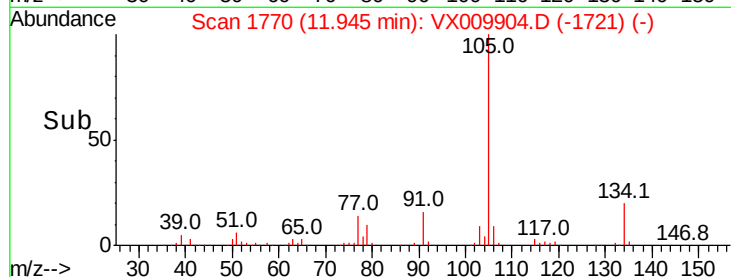
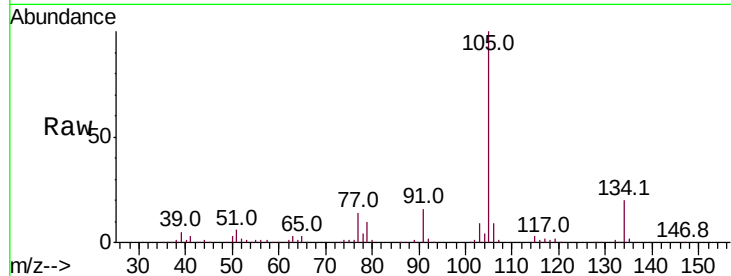
134 19.4 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.957 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009904.D

Acq: 28 May 2019 10:20

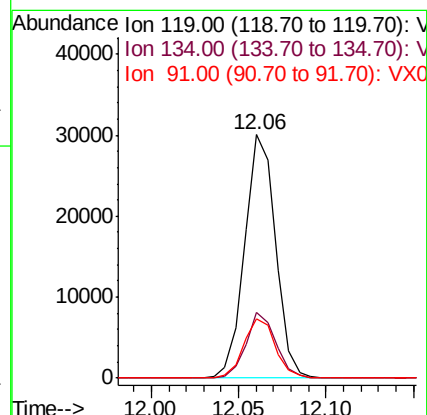
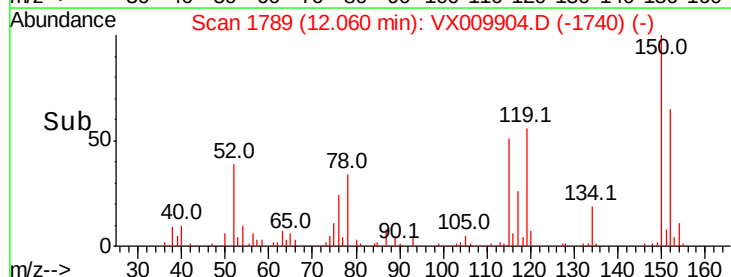
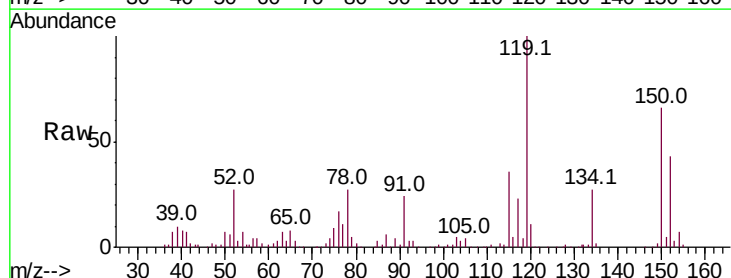
Tgt Ion:119 Resp: 36842

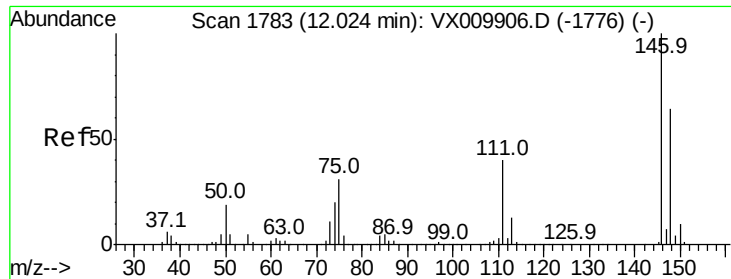
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 25.2 11.9 35.9





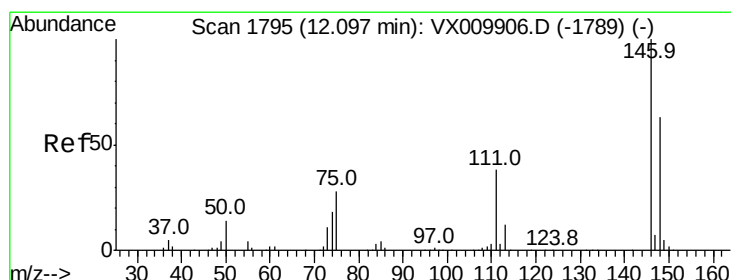
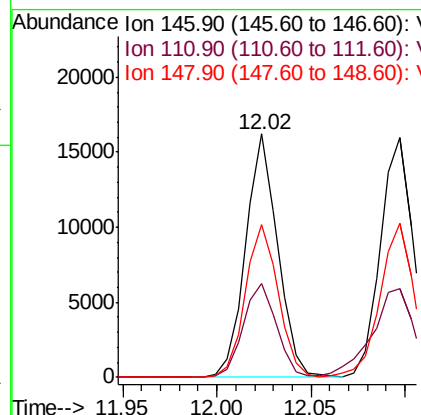
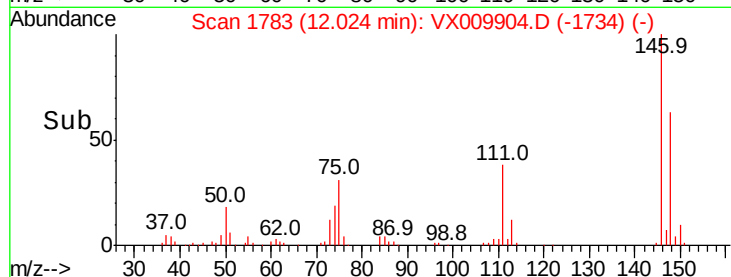
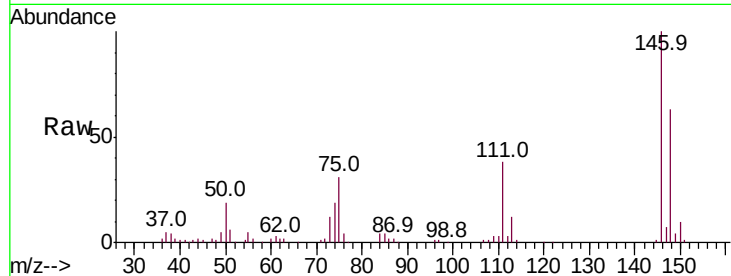
#87
 1,3-Dichlorobenzene
 Concen: 5.093 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	64.3	31.9	95.5

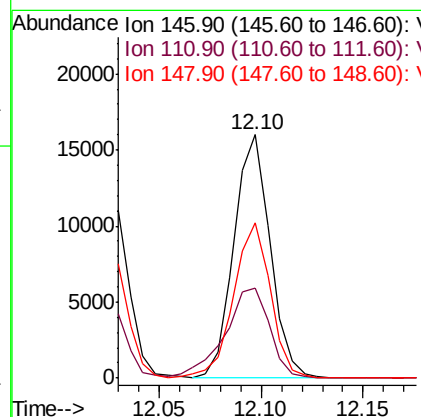
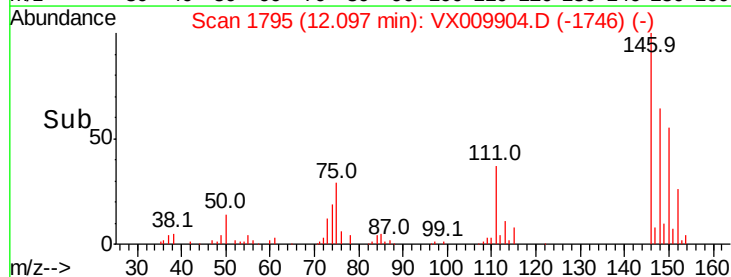
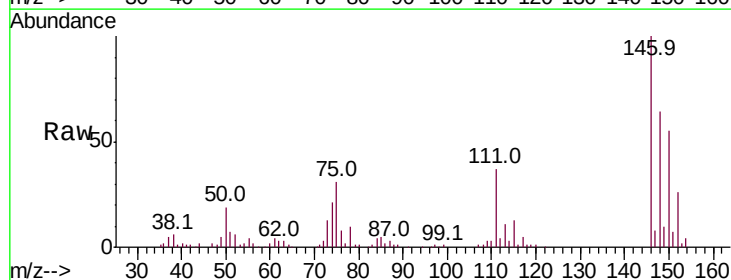
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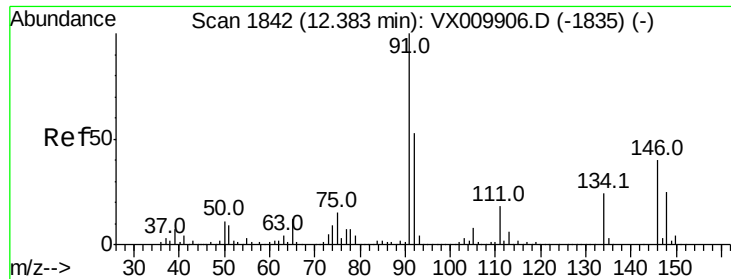
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#88
 1,4-Dichlorobenzene
 Concen: 5.190 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	20.0	59.9
148	65.2	32.3	96.9





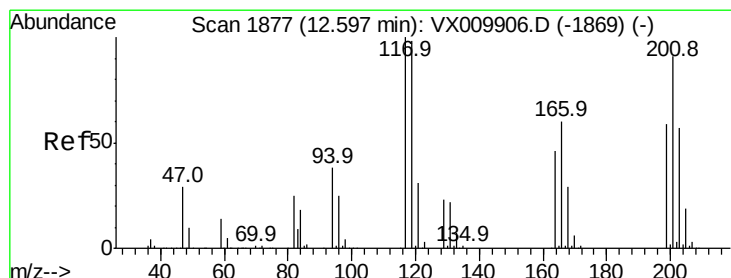
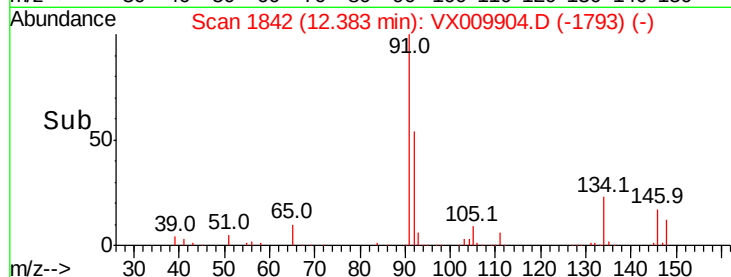
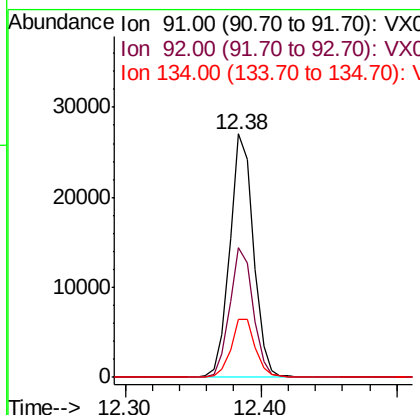
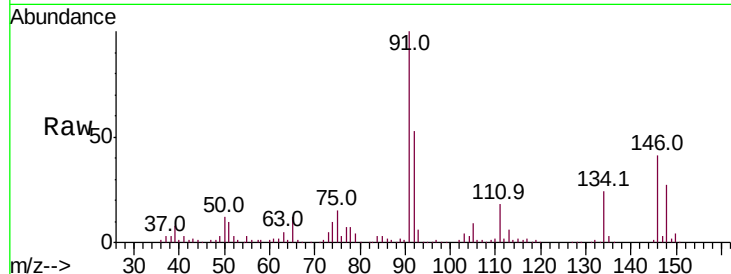
#89
n-Butylbenzene
Concen: 4.846 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.8
134	24.5	12.3	36.8

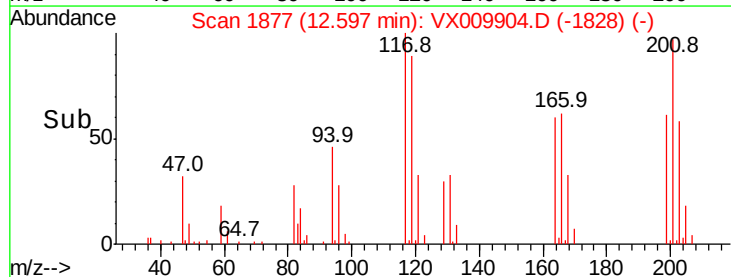
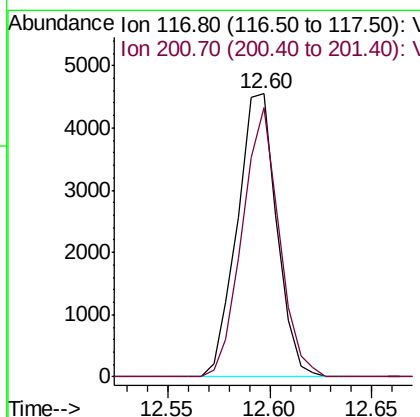
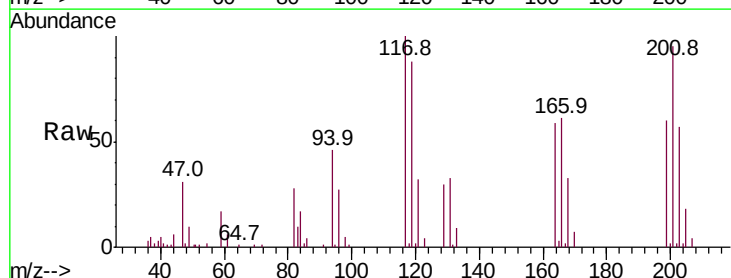
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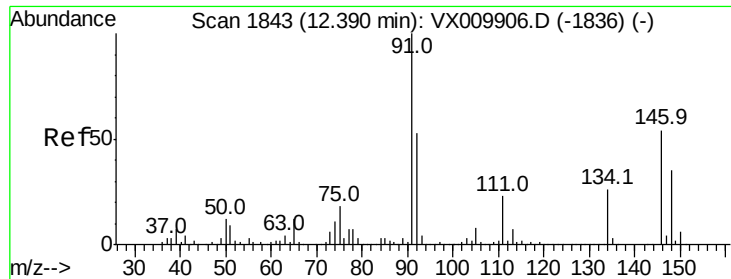
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#90
Hexachloroethane
Concen: 4.859 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	43.6	130.9





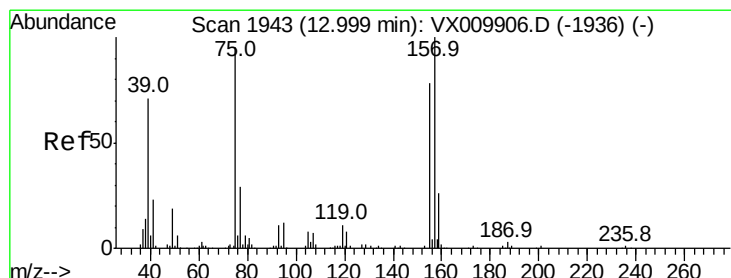
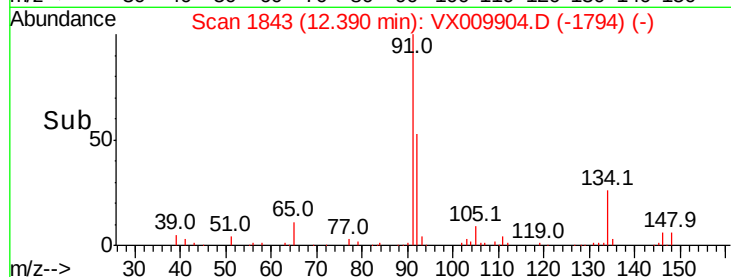
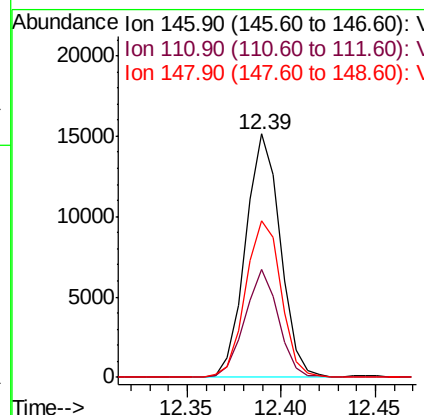
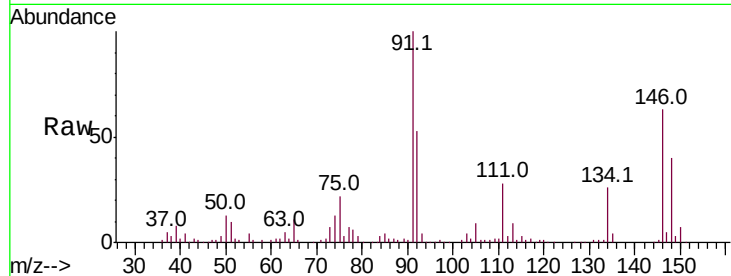
#91
 1,2-Dichlorobenzene
 Concen: 5.072 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.1
148	65.7	32.3	96.8

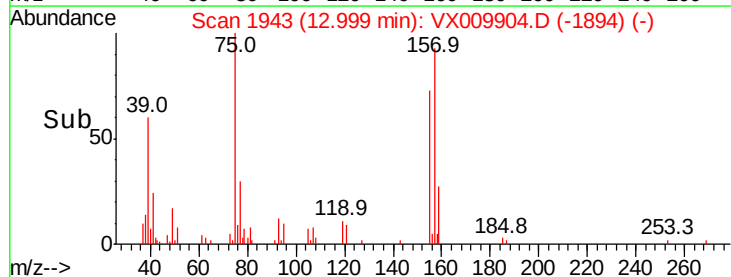
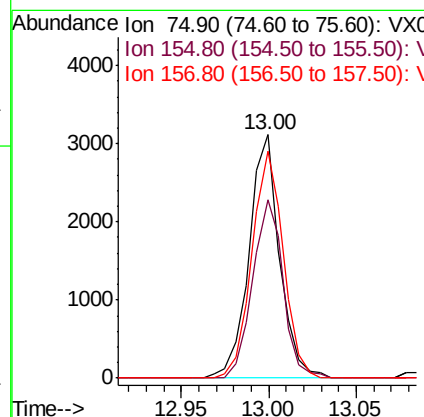
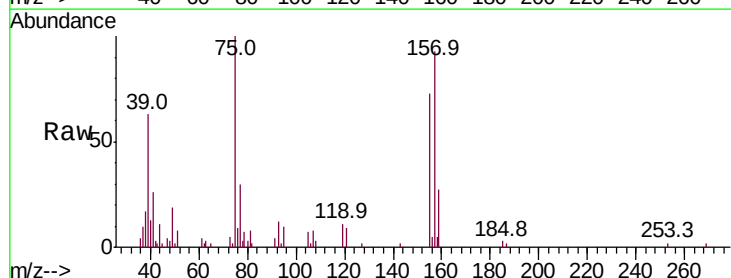
Manual Integrations
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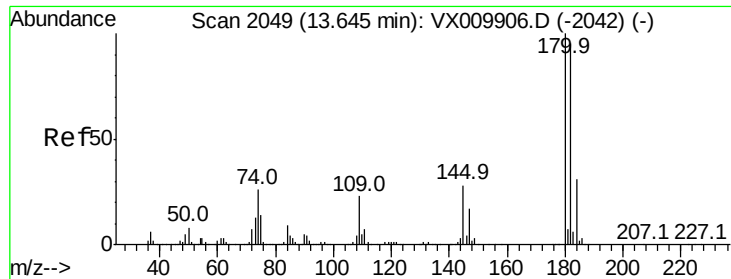
MMDadoda
 5/29/2019 9:24:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.350 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	39.3	117.8
157	95.7	50.6	151.8





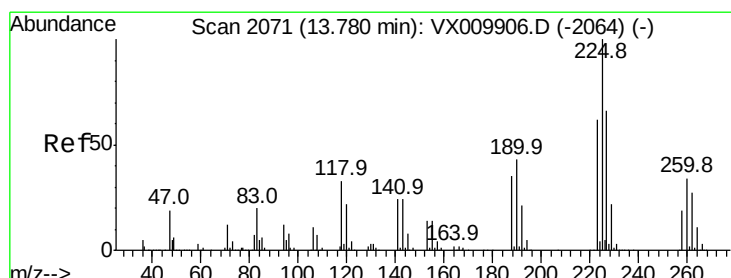
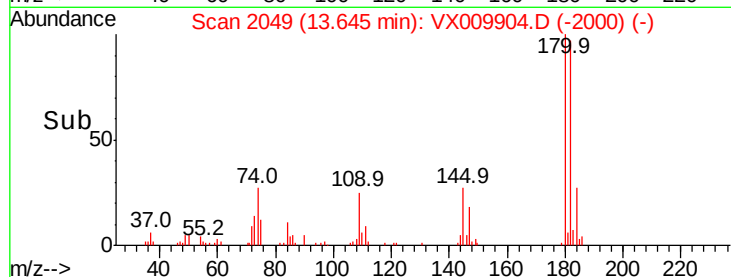
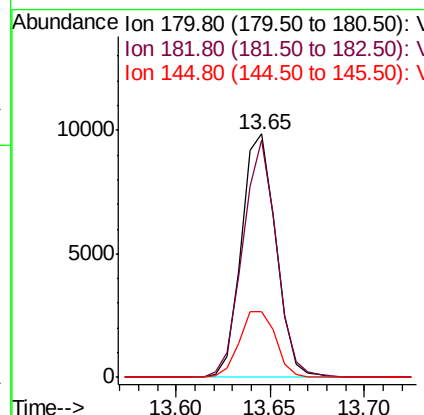
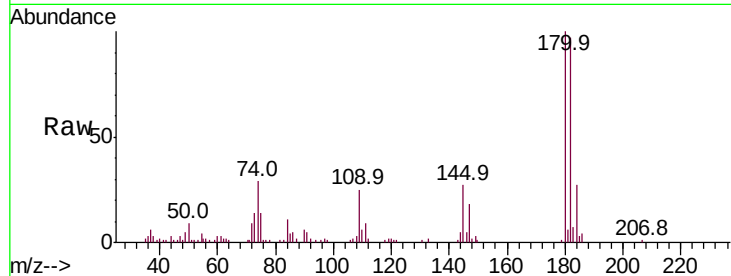
#93
 1,2,4-Trichlorobenzene
 Concen: 4.780 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	180	Resp:	12502
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.4	142.2
145	28.5	14.5	43.5

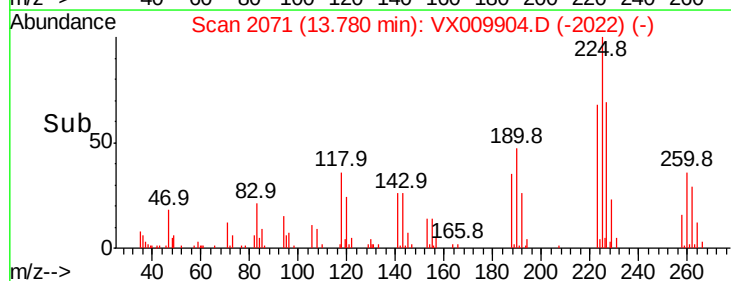
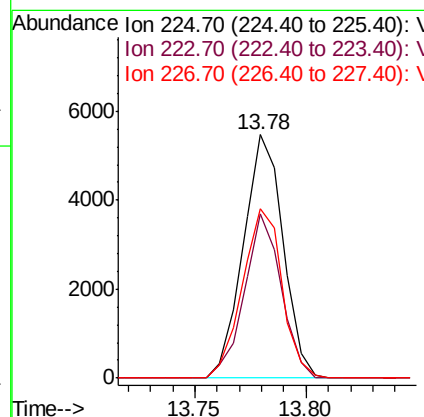
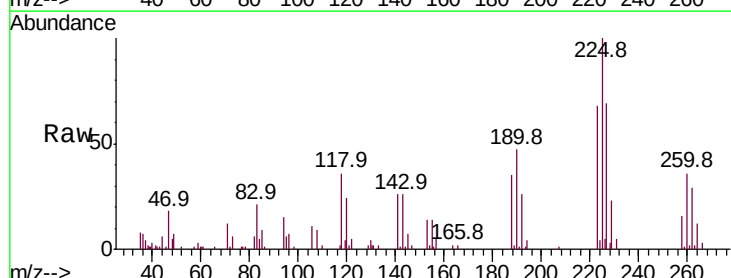
Manual Integrations
 APPROVED

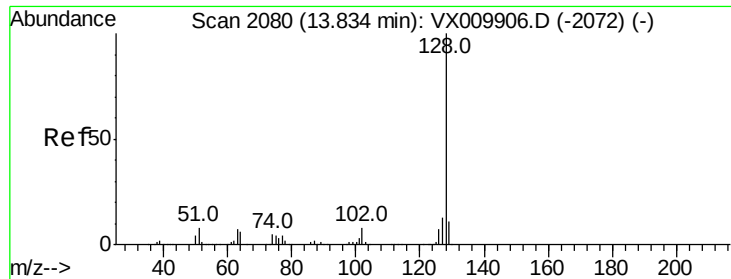
MMDadoda
 5/29/2019 9:24:42 AM



#94
 Hexachlorobutadiene
 Concen: 5.091 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009904.D
 Acq: 28 May 2019 10:20

Tgt Ion:	225	Resp:	6816
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.3	93.8
227	69.6	32.3	96.8





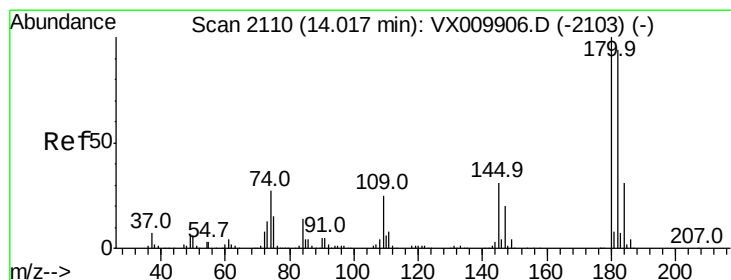
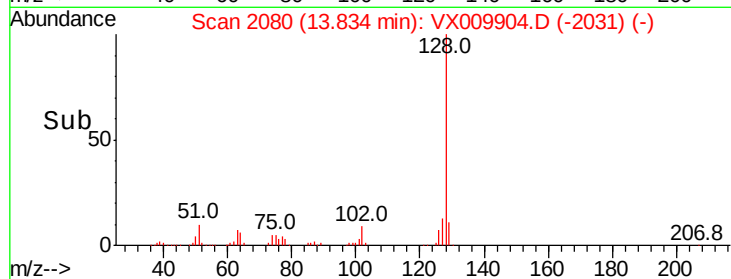
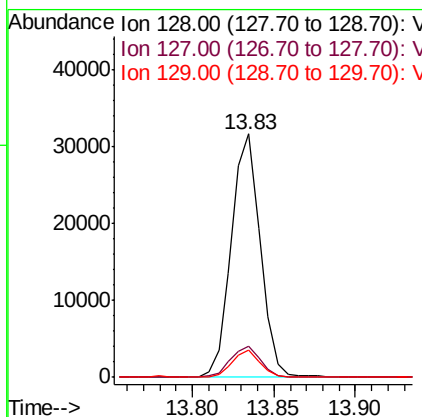
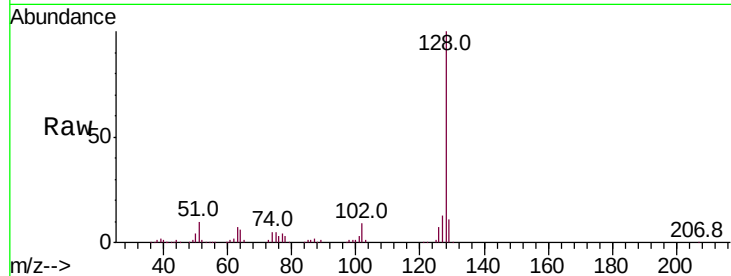
#95
Naphthalene
Concen: 4.618 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:24:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.836 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009904.D
Acq: 28 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	142.0
145	34.0	15.6	46.7

