

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
 Data File : VX009919.D
 Acq On : 28 May 2019 16:56
 Operator : JC/SP
 Sample : VX0528WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:25:21 AM

Quant Time: May 29 04:48:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	166256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115460	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	82978	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	8.71	98	341090	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.13	95	122101	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43035	21.183	ug/l	100
3) Chloromethane	1.32	50	54674	20.018	ug/l	100
4) Vinyl Chloride	1.41	62	47997	19.494	ug/l	98
5) Bromomethane	1.64	94	28183	18.893	ug/l	97
6) Chloroethane	1.72	64	29263	19.307	ug/l	100
7) Trichlorofluoromethane	1.93	101	53563	19.687	ug/l	100
8) Diethyl Ether	2.19	74	24236	18.956	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31094	18.929	ug/l	99
10) Methyl Iodide	2.51	142	33822	19.736	ug/l	99
11) Tert butyl alcohol	3.05	59	59030	102.134	ug/l	99
12) 1,1-Dichloroethene	2.37	96	31288	18.583	ug/l	99
13) Acrolein	2.29	56	38748	107.696	ug/l	99
14) Allyl chloride	2.73	41	77891	19.034	ug/l	100
15) Acrylonitrile	3.14	53	130841	93.955	ug/l	99
16) Acetone	2.45	43	123794	91.232	ug/l	100
17) Carbon Disulfide	2.57	76	94590	18.795	ug/l	99
18) Methyl Acetate	2.78	43	58292	18.462	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	120373	18.936	ug/l	98
20) Methylene Chloride	2.85	84	38037	18.305	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	34486	18.408	ug/l	98
22) Diisopropyl ether	3.85	45	149425	19.191	ug/l	99
23) Vinyl Acetate	3.82	43	669480	95.710	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71506	18.950	ug/l	99
25) 2-Butanone	4.67	43	199658	94.443	ug/l	100
26) 2,2-Dichloropropane	4.59	77	49694	17.409	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	39627	18.324	ug/l	98
28) Bromochloromethane	5.02	49	35941	18.355	ug/l	97
29) Tetrahydrofuran	5.13	42	131860	97.266	ug/l	100
30) Chloroform	5.21	83	64852	19.057	ug/l	98
31) Cyclohexane	5.58	56	70618	19.759	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	53205	19.197	ug/l	98
36) 1,1-Dichloropropene	5.80	75	49739	18.342	ug/l	100
37) Ethyl Acetate	4.84	43	75366	19.947	ug/l	100
38) Carbon Tetrachloride	5.79	117	44184	18.856	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60812	18.906	ug/l	99
40) Benzene	6.14	78	153245	19.051	ug/l	98
41) Methacrylonitrile	5.04	41	40865	18.509	ug/l	97
42) 1,2-Dichloroethane	6.19	62	56416	18.971	ug/l	100
43) Isopropyl Acetate	6.45	43	113796	18.666	ug/l	99
44) Trichloroethene	7.21	130	36042	18.446	ug/l	100
45) 1,2-Dichloropropane	7.51	63	43742	18.890	ug/l	95
46) Dibromomethane	7.66	93	24259	17.798	ug/l	99
47) Bromodichloromethane	7.90	83	48756	18.810	ug/l	98
48) Methyl methacrylate	7.77	41	56869	18.843	ug/l	99
49) 1,4-Dioxane	7.74	88	22546	401.616	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	381511	96.197	ug/l	100
52) Toluene	8.78	92	93077	19.057	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54874	17.653	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	61755	18.233	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	37098	18.872	ug/l	98
56) Ethyl methacrylate	9.18	69	67820	19.379	ug/l	99
57) 1,3-Dichloropropane	9.37	76	65043	18.424	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	184877	100.742	ug/l	99
59) 2-Hexanone	9.49	43	301720	98.815	ug/l	100
60) Dibromochloromethane	9.58	129	35423	18.319	ug/l	98
61) 1,2-Dibromoethane	9.67	107	37835	18.734	ug/l	99
64) Tetrachloroethene	9.34	164	33663	19.847	ug/l	98
65) Chlorobenzene	10.14	112	94198	18.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33955	19.258	ug/l	98
67) Ethyl Benzene	10.25	91	175520	19.230	ug/l	98
68) m/p-Xylenes	10.36	106	128722	38.174	ug/l	100
69) o-Xylene	10.69	106	62705	19.390	ug/l	99
70) Styrene	10.71	104	107655	18.985	ug/l	98
71) Bromoform	10.85	173	26509	18.393	ug/l #	98
73) Isopropylbenzene	11.02	105	166117	19.295	ug/l	99
74) N-amyl acetate	10.90	43	100565	19.548	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	61959	19.290	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	54269m	19.449	ug/l	
77) Bromobenzene	11.26	156	40694	18.547	ug/l	99
78) n-propylbenzene	11.36	91	192625	19.410	ug/l	99
79) 2-Chlorotoluene	11.42	91	115657	19.075	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	141970	19.574	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19390	17.193	ug/l	93
82) 4-Chlorotoluene	11.51	91	132752	18.808	ug/l	100
83) tert-Butylbenzene	11.77	119	133827	19.286	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	141829	19.255	ug/l	99
85) sec-Butylbenzene	11.94	105	159291	19.295	ug/l	100
86) p-Isopropyltoluene	12.06	119	144370	19.443	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	71425	18.285	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	72394	18.172	ug/l	99
89) n-Butylbenzene	12.38	91	130837	18.749	ug/l	100
90) Hexachloroethane	12.59	117	24117	18.926	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	72600	18.851	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14349	18.979	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50027	18.177	ug/l	98
94) Hexachlorobutadiene	13.78	225	26319	19.066	ug/l	100
95) Naphthalene	13.83	128	162864	19.016	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	50739	18.418	ug/l	99

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

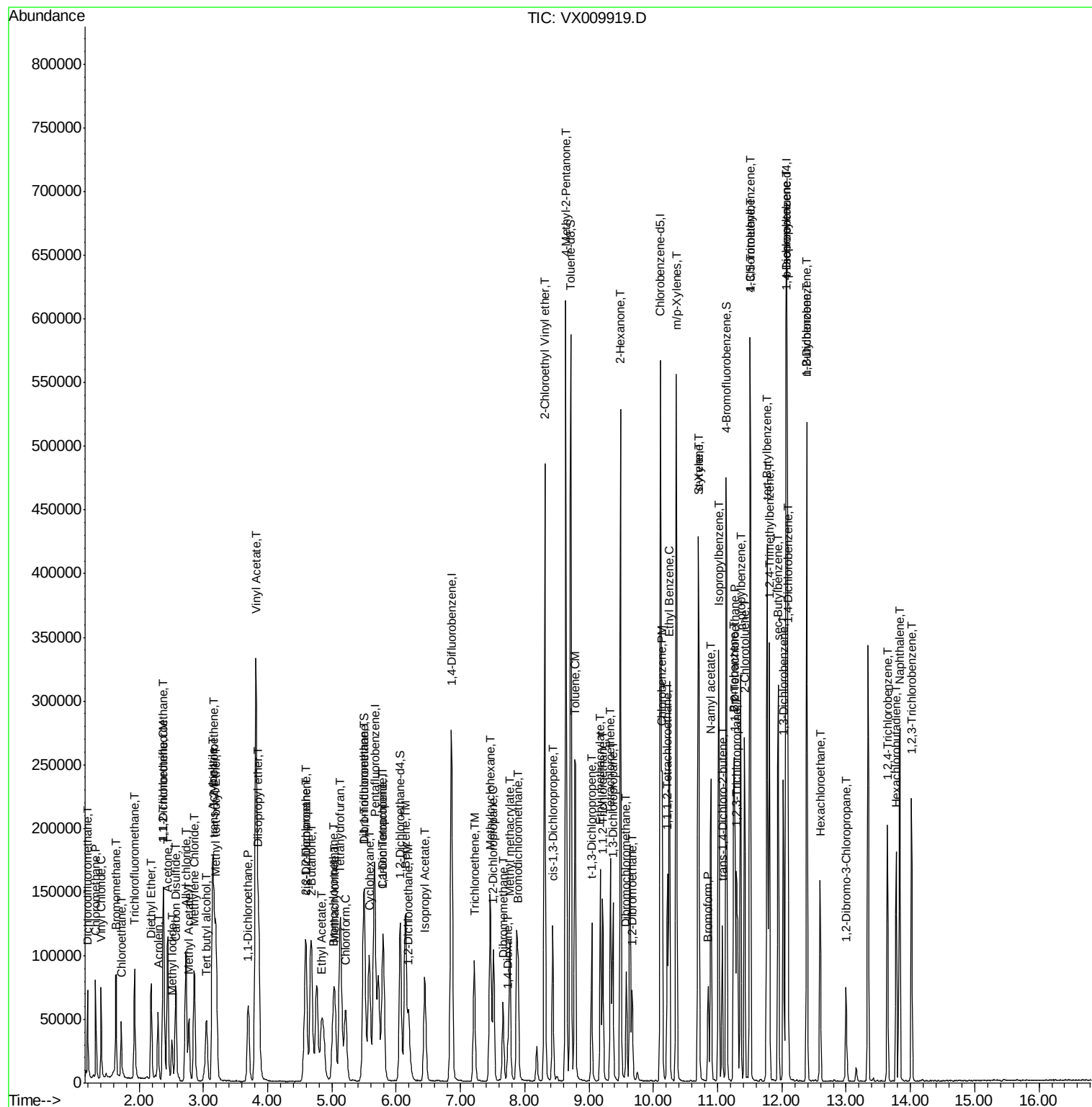
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Data File : VX009919.D
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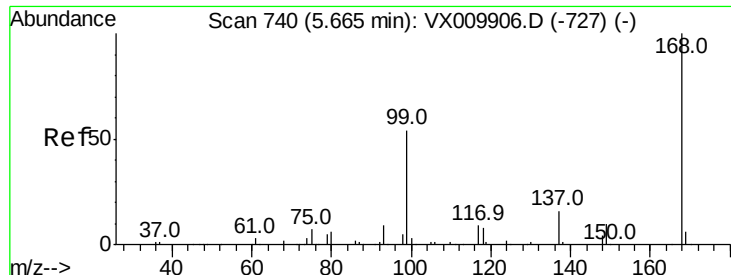
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion:168 Resp: 166256

Ion Ratio Lower Upper

168 100

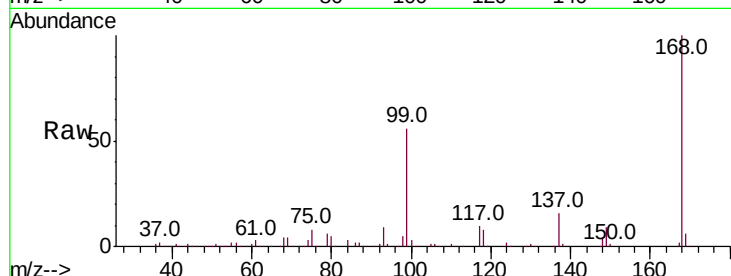
99 55.8 43.0 64.6

Manual Integrations

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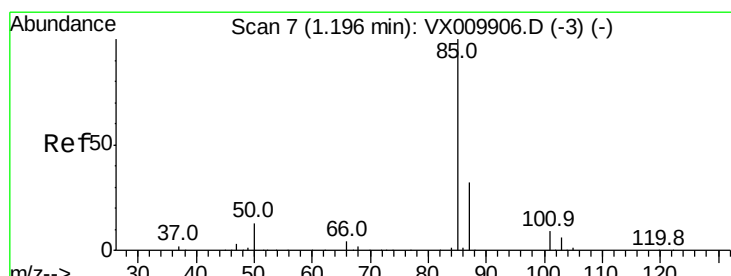
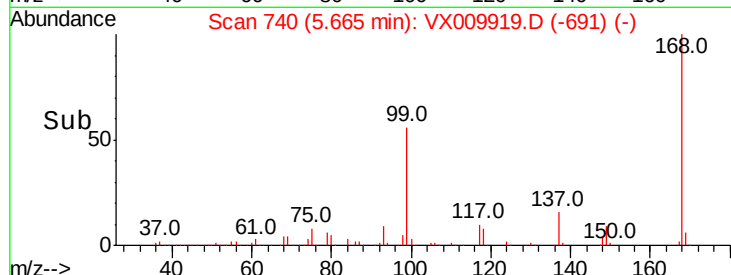
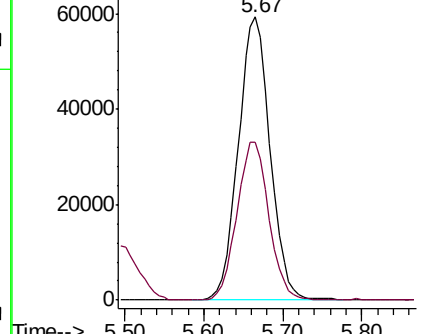
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5/29/2019 9:25:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.183 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009919.D

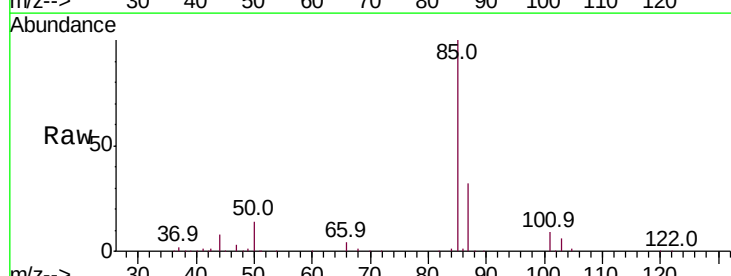
Acq: 28 May 2019 16:56

Tgt Ion: 85 Resp: 43035

Ion Ratio Lower Upper

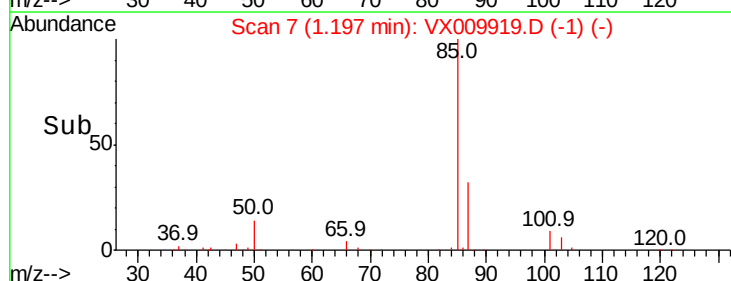
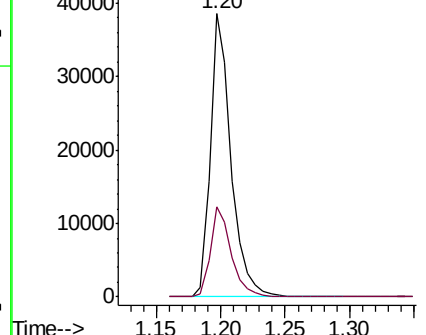
85 100

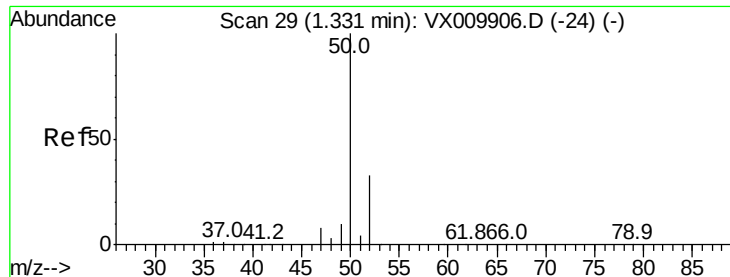
87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.018 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion: 50 Resp: 54674

Ion Ratio Lower Upper

50 100

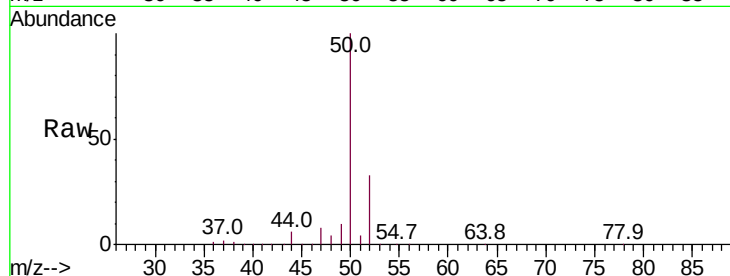
52 32.7 26.0 39.0

Manual Integrations

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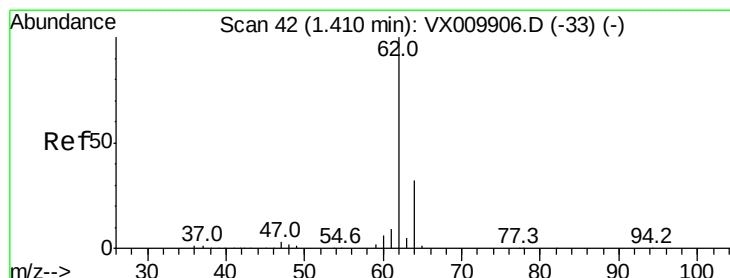
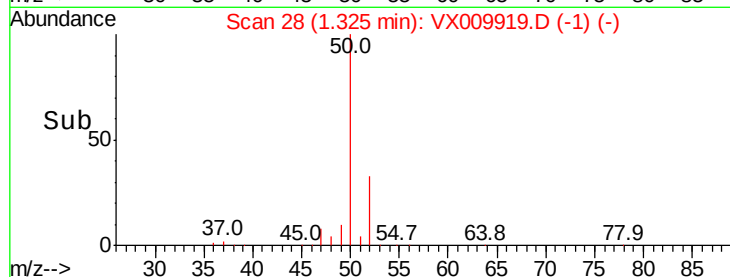
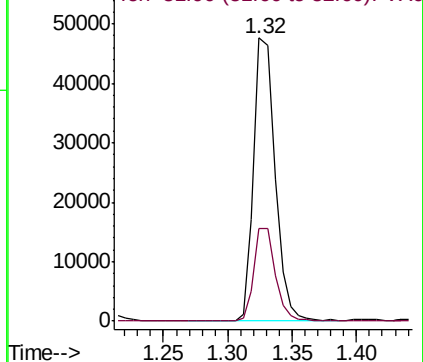
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5/29/2019 9:25:21 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.494 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009919.D

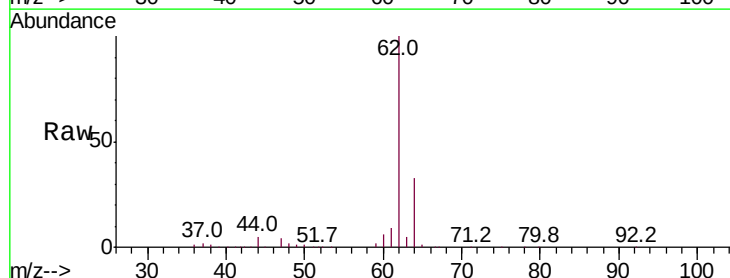
Acq: 28 May 2019 16:56

Tgt Ion: 62 Resp: 47997

Ion Ratio Lower Upper

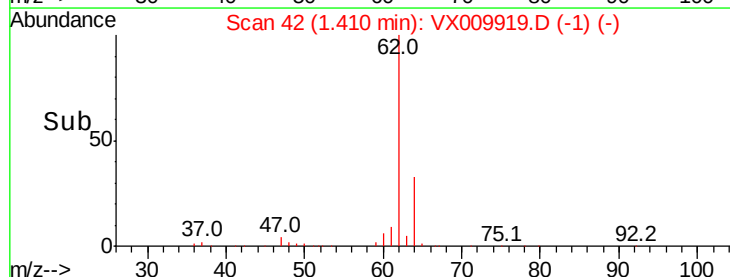
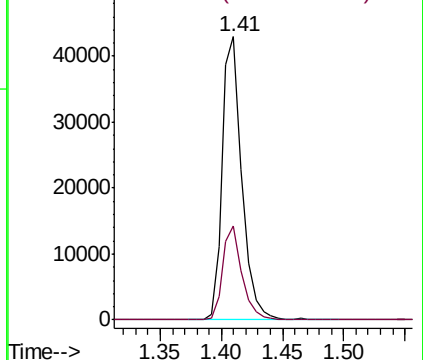
62 100

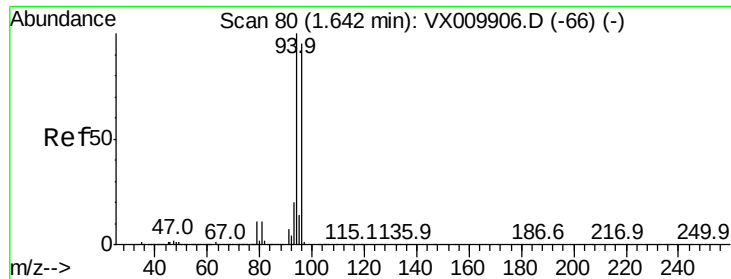
64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.893 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion: 94 Resp: 28183

Ion Ratio Lower Upper

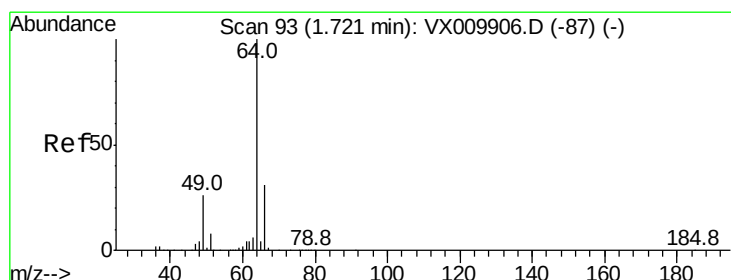
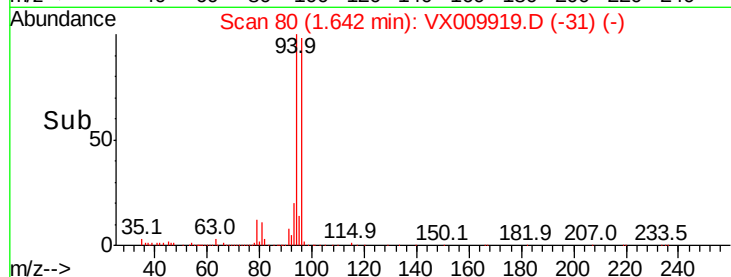
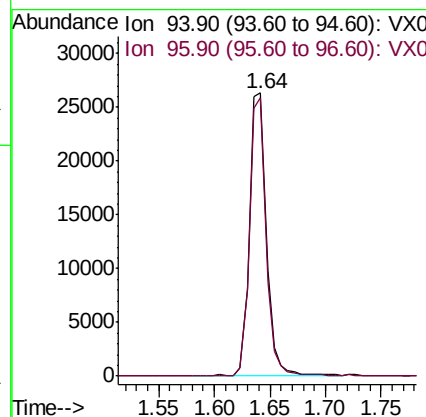
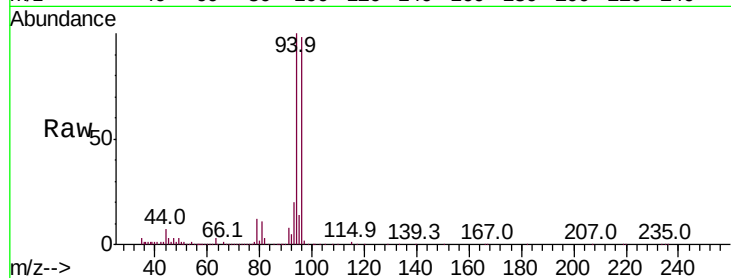
94 100

96 98.1 76.2 114.4

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5/29/2019 9:25:21 AM



#6

Chloroethane

Concen: 19.307 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009919.D

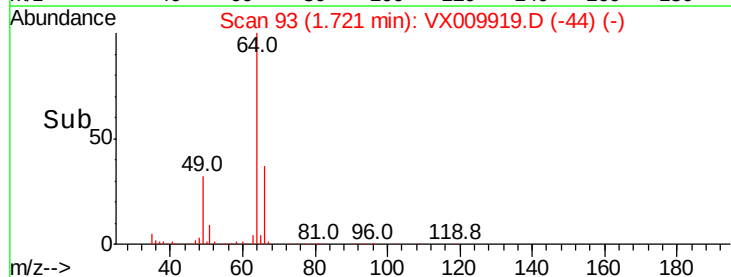
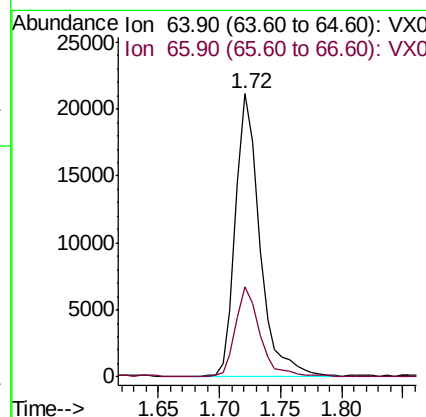
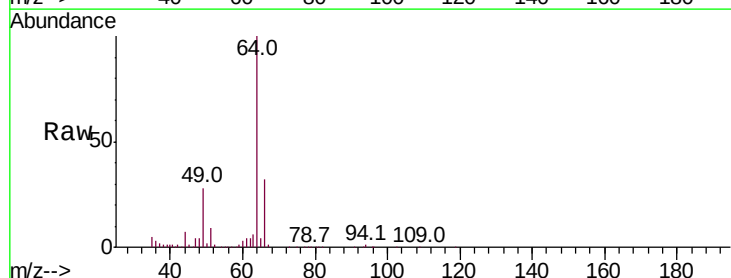
Acq: 28 May 2019 16:56

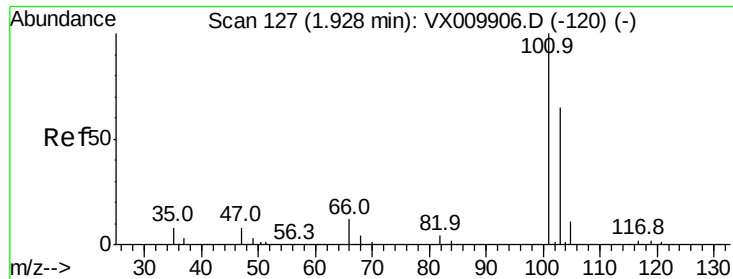
Tgt Ion: 64 Resp: 29263

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7





#7

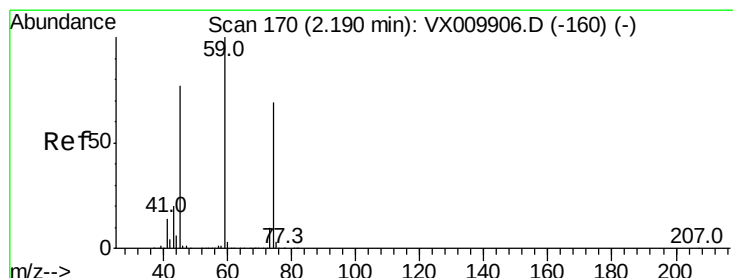
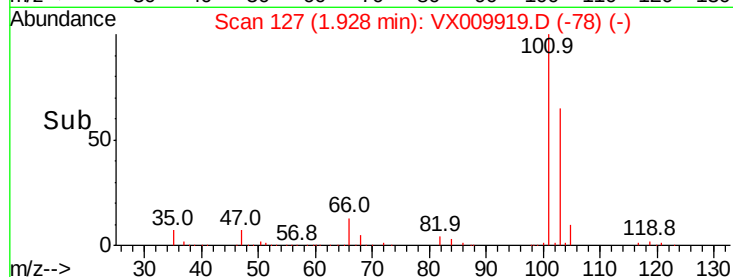
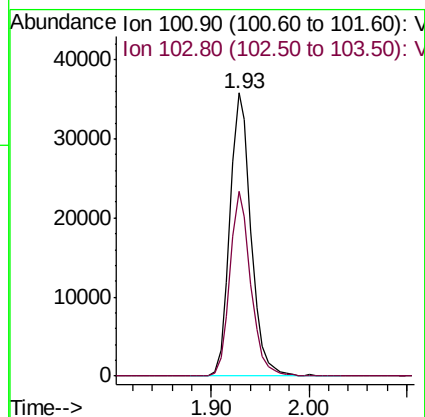
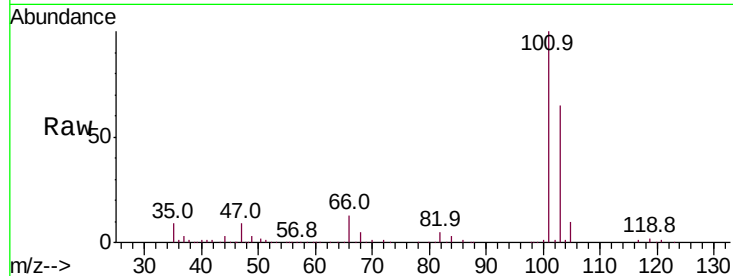
Trichlorofluoromethane
Concen: 19.687 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion:101 Resp: 53563
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.4

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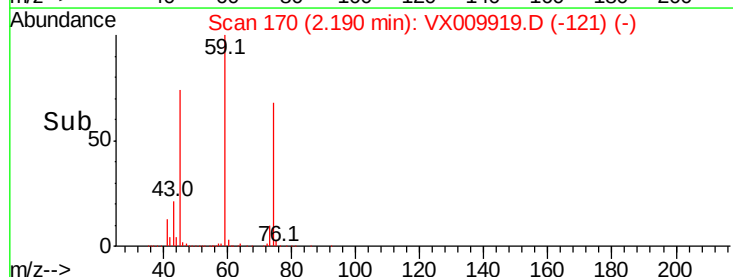
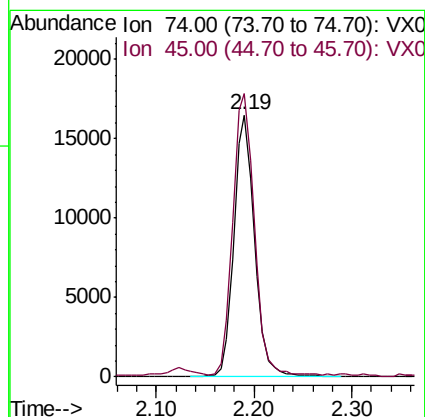
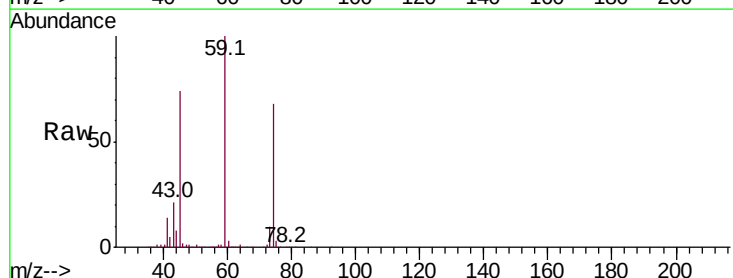
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5/29/2019 9:25:21 AM

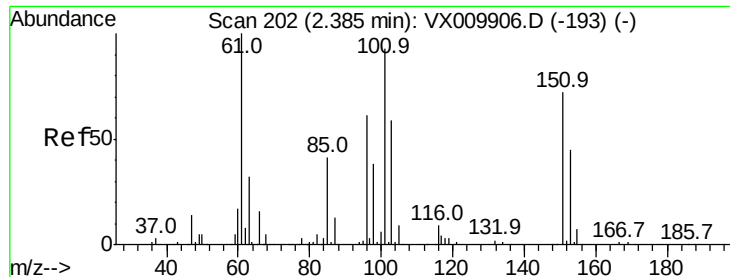


#8

Diethyl Ether
Concen: 18.956 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion: 74 Resp: 24236
Ion Ratio Lower Upper
74 100
45 111.2 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.929 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

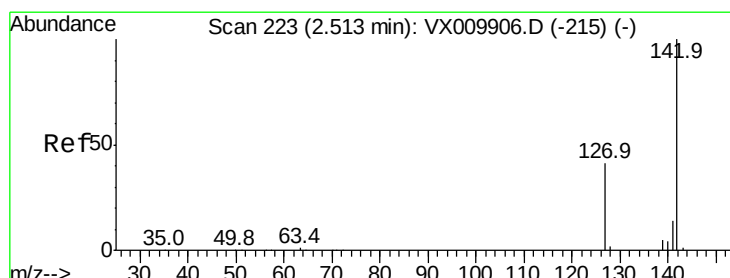
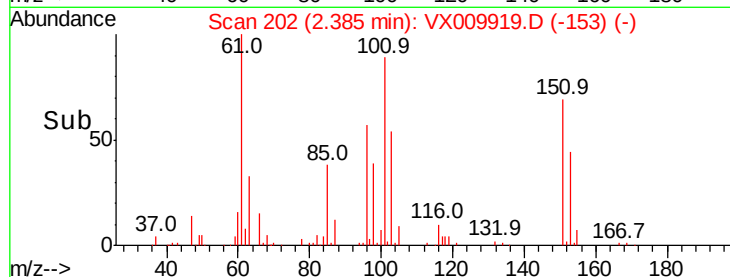
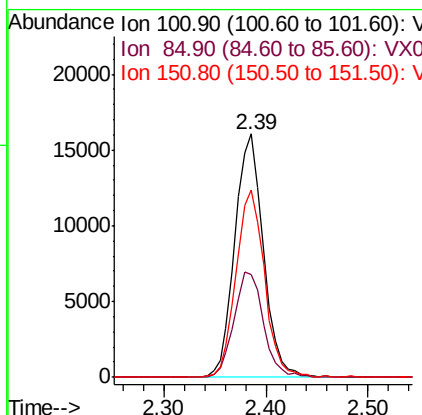
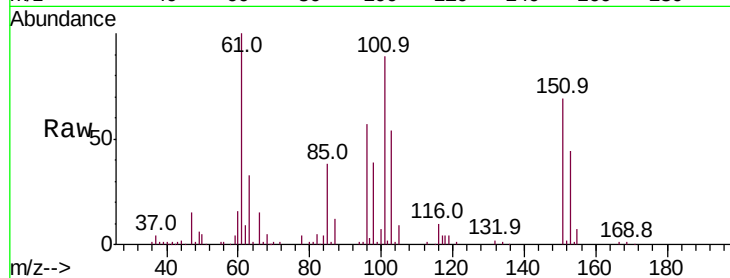
ClientSampleId :

VX0528WBSD01

Tot Ion:	101	Resp:	31094
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.2	52.8
151	76.4	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.736 ug/l

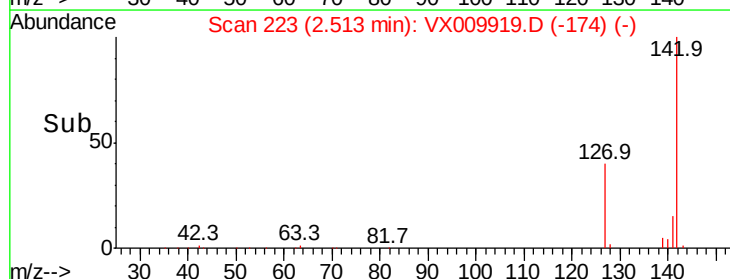
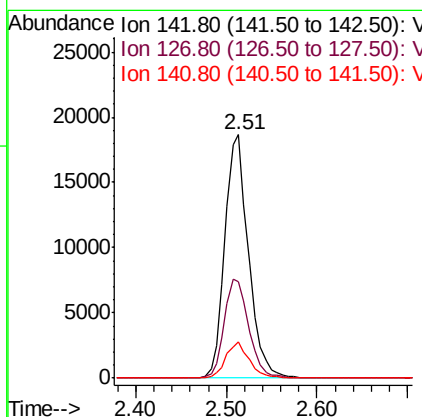
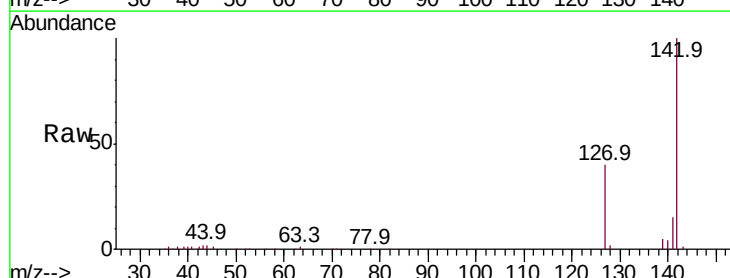
RT: 2.51 min Scan# 223

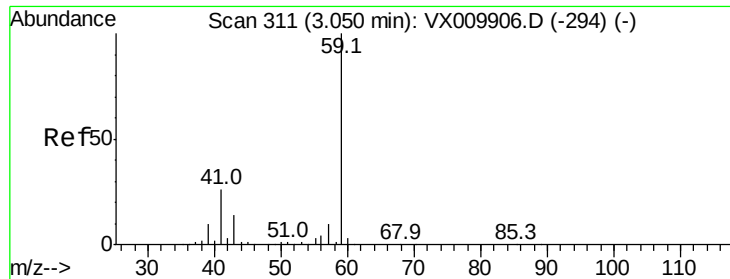
Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion:	142	Resp:	33822
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.0	49.4
141	14.7	11.4	17.0





#11

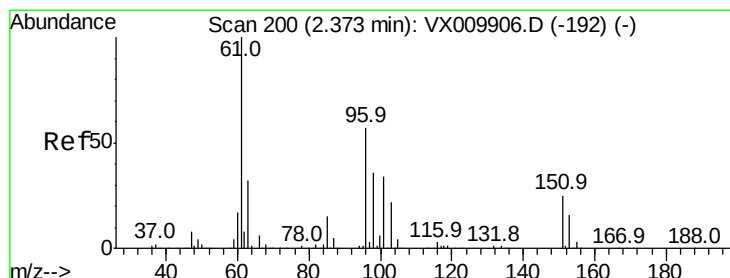
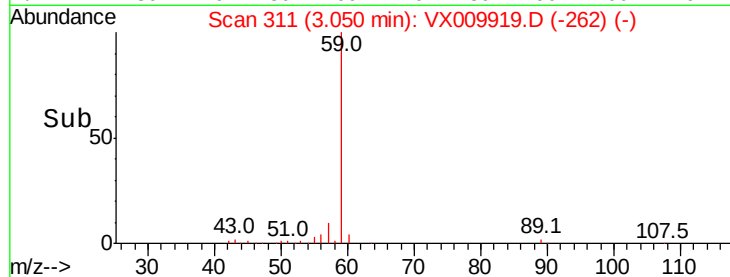
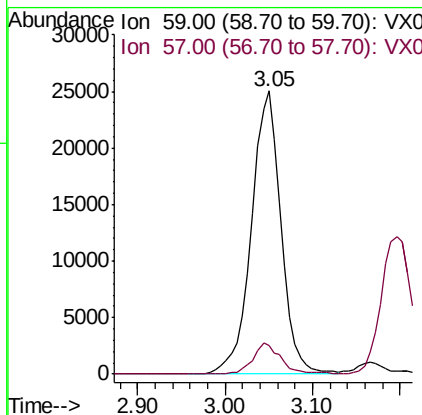
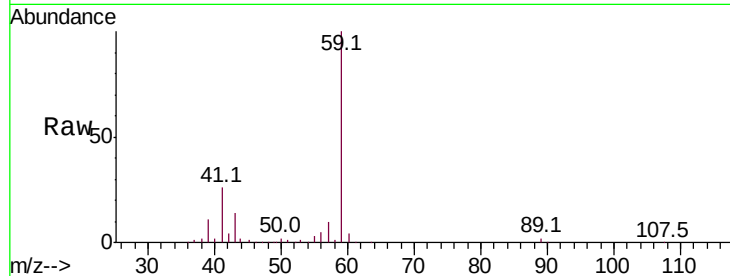
Tert butyl alcohol
 Concen: 102.134 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion	59	Resp	59030
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

Manual Integrations
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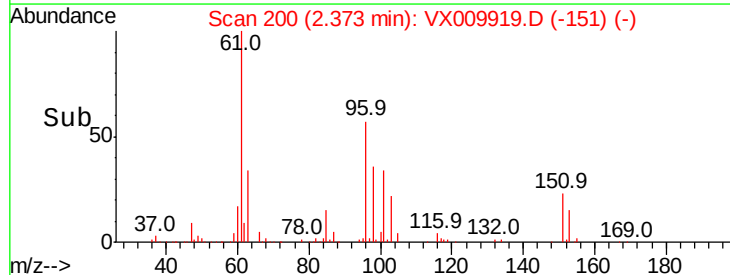
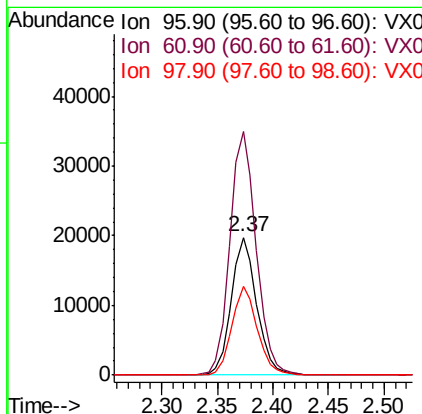
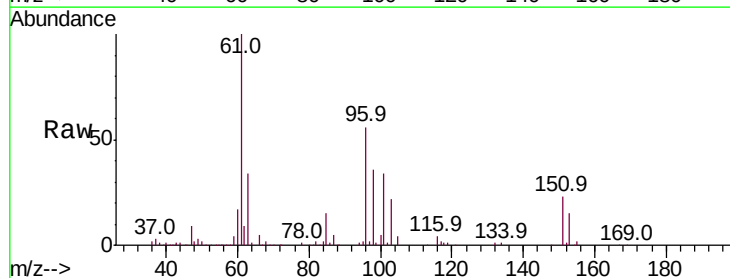
MMDadoda
 5/29/2019 9:25:21 AM

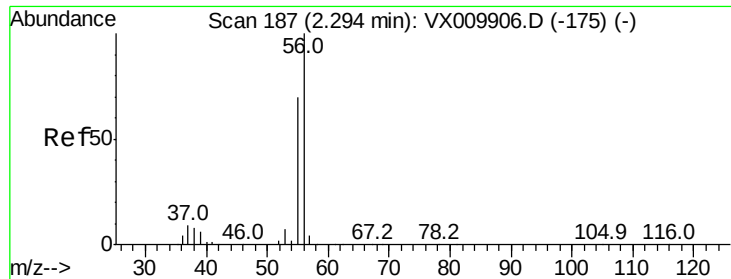


#12

1,1-Dichloroethene
 Concen: 18.583 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion	96	Resp	31288
Ion Ratio	100	Lower	Upper
61	177.2	140.7	211.1
98	64.2	50.1	75.1





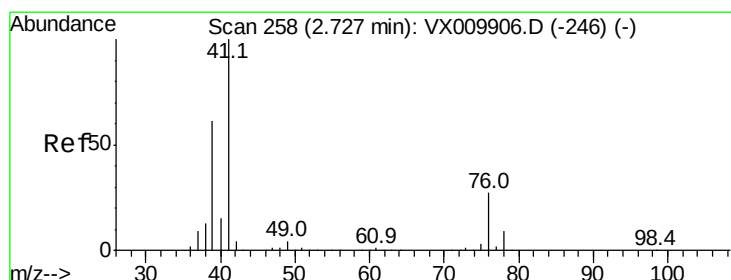
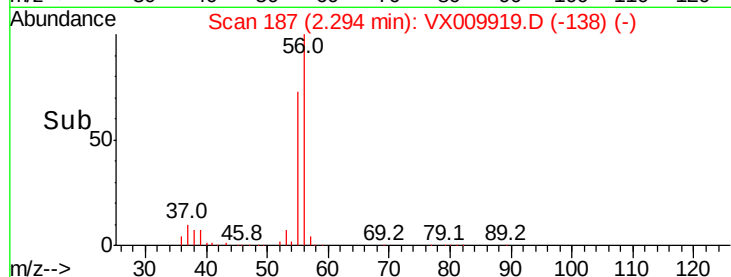
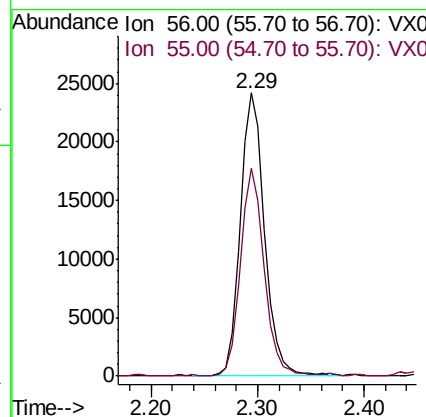
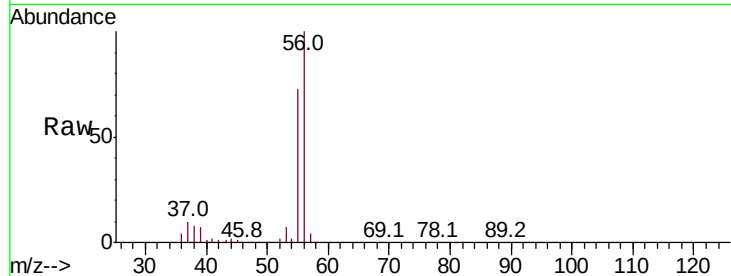
#13
 Acrolein
 Concen: 107.696 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion	56	55	Ratio	100	Resp	38748	Lower	Upper
56	100							
55	70.8						57.0	85.4

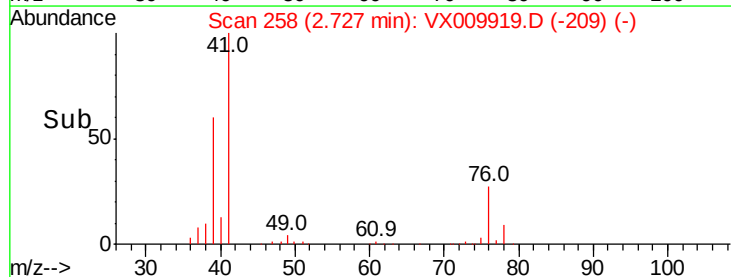
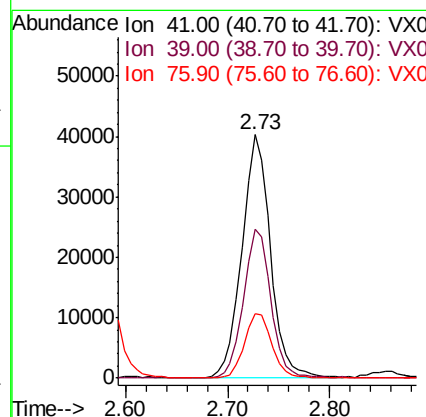
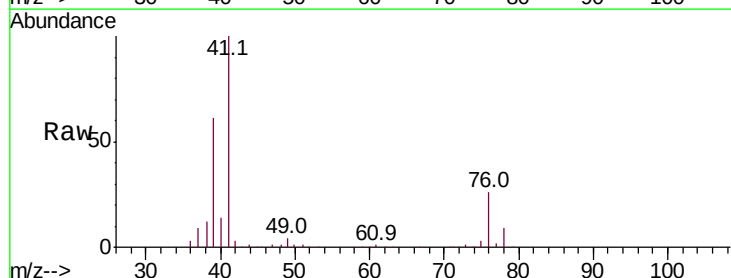
Manual Integrations
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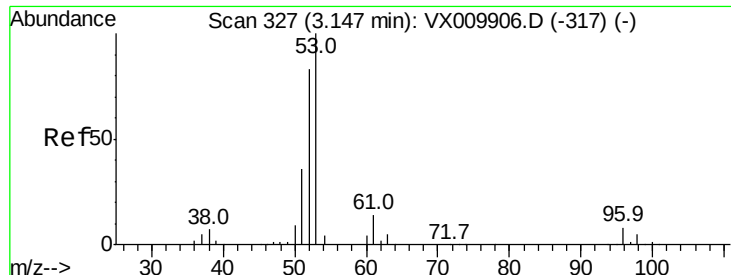
MMDadoda
 5/29/2019 9:25:21 AM



#14
 Allyl chloride
 Concen: 19.034 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion	41	39	76	Ratio	100	Resp	77891	Lower	Upper
41	100								
39	58.3						46.7	70.1	
76	25.7						21.0	31.4	





#15

Acrylonitrile

Concen: 93.955 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

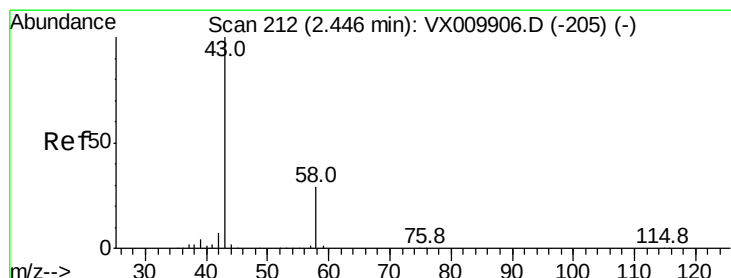
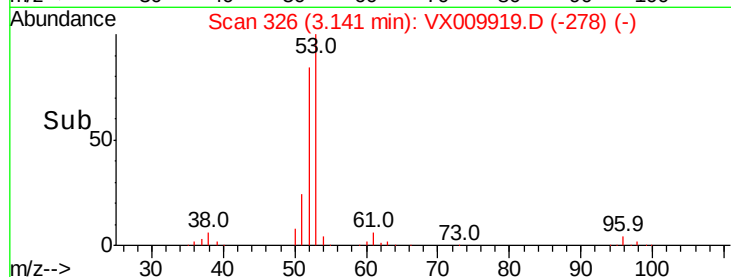
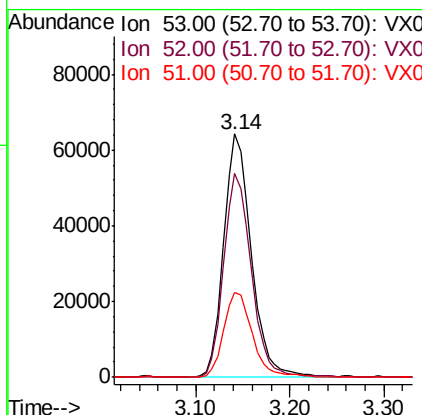
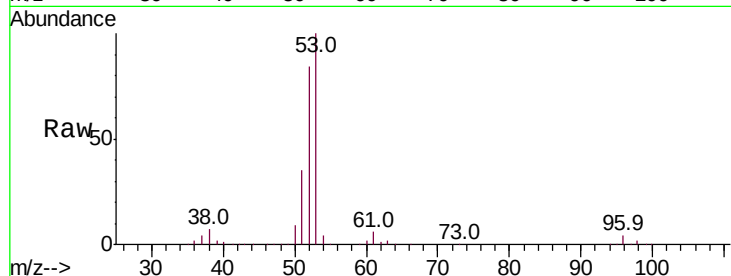
ClientSampleId :

VX0528WBSD01

Tot Ion:	53	Resp:	130841
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.7	100.1
51	36.4	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 91.232 ug/l

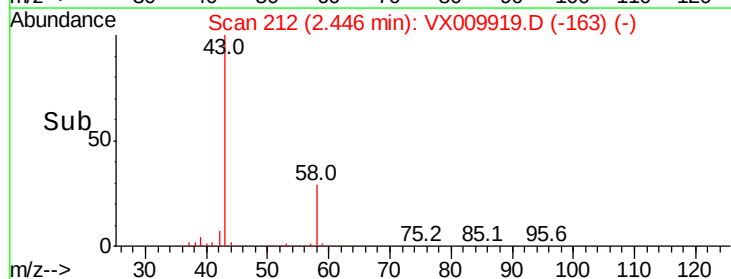
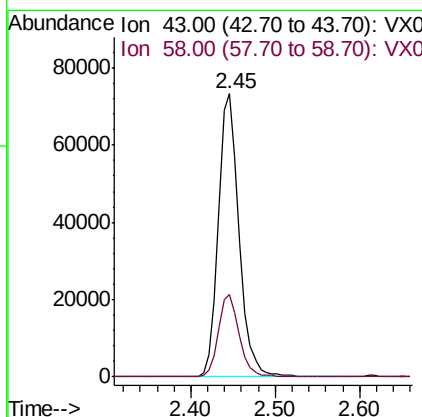
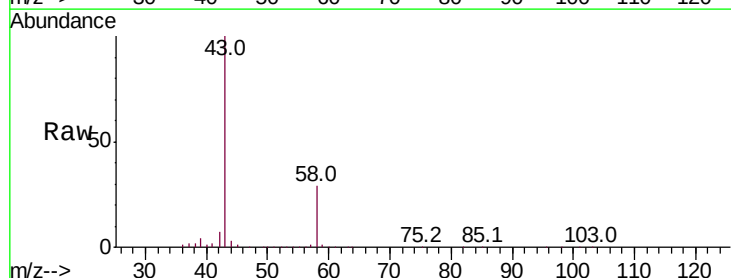
RT: 2.45 min Scan# 212

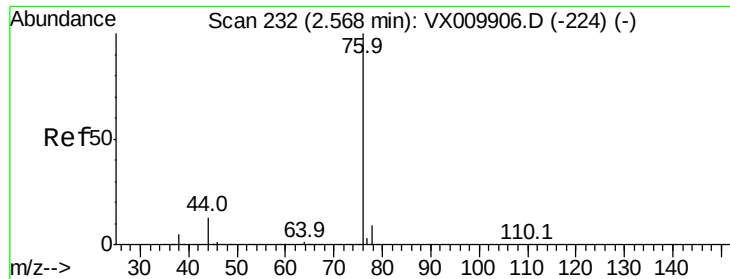
Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion:	43	Resp:	123794
Ion Ratio	Lower	Upper	
43	100		
58	29.0	23.2	34.8





#17

Carbon Disulfide

Concen: 18.795 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion: 76 Resp: 94590

Ion Ratio Lower Upper

76 100

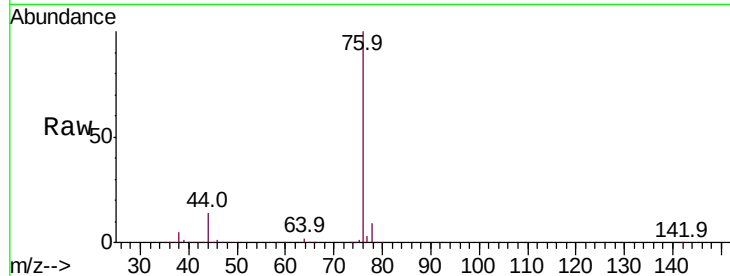
78 9.3 7.0 10.6

Manual Integrations

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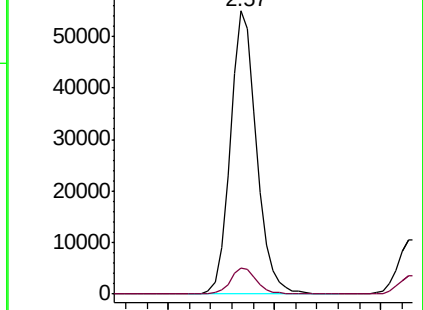
MMDadoda

5/29/2019 9:25:21 AM

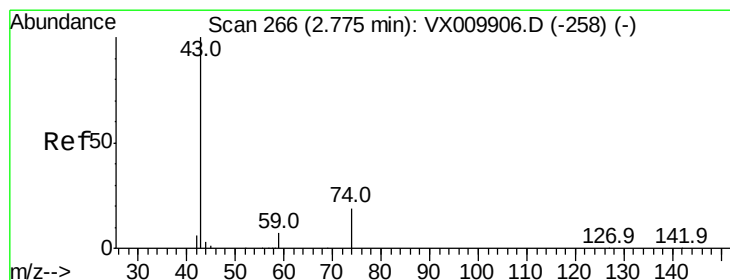
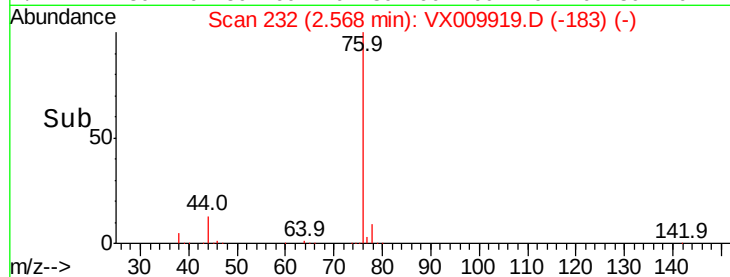


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 18.462 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009919.D

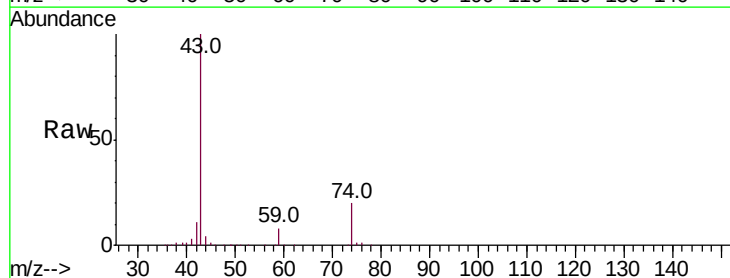
Acq: 28 May 2019 16:56

Tgt Ion: 43 Resp: 58292

Ion Ratio Lower Upper

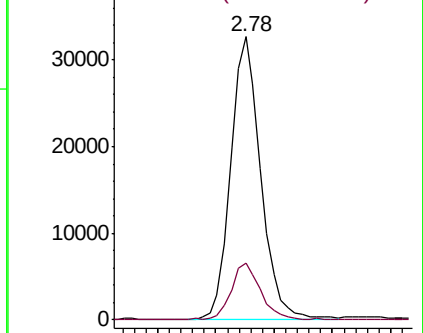
43 100

74 20.1 15.8 23.6

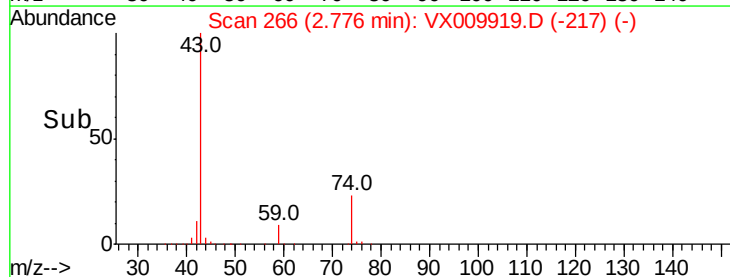


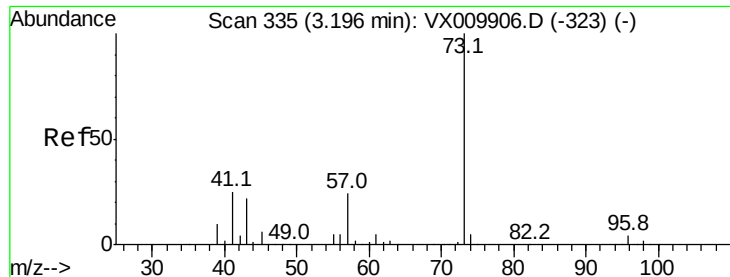
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





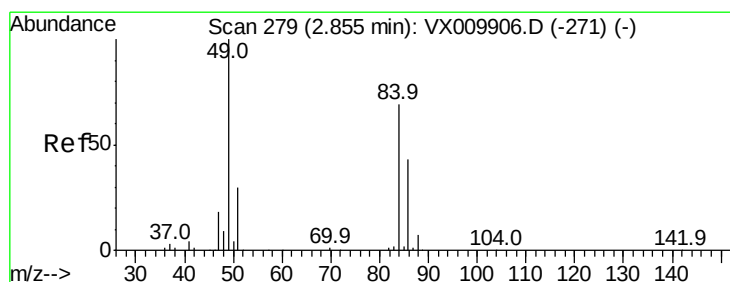
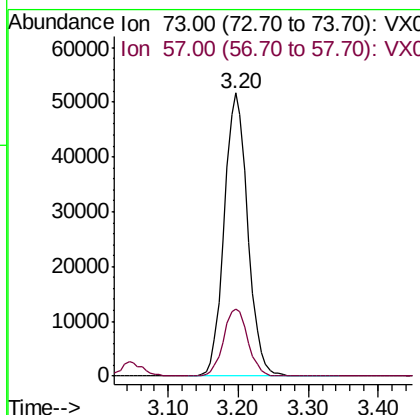
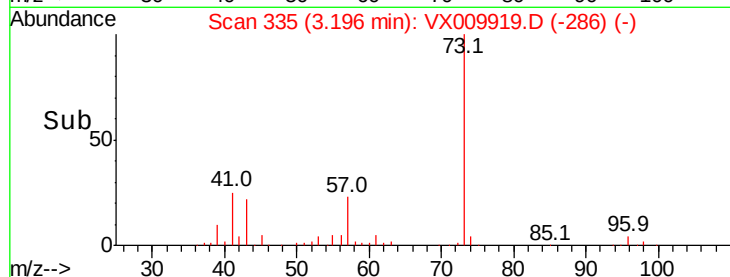
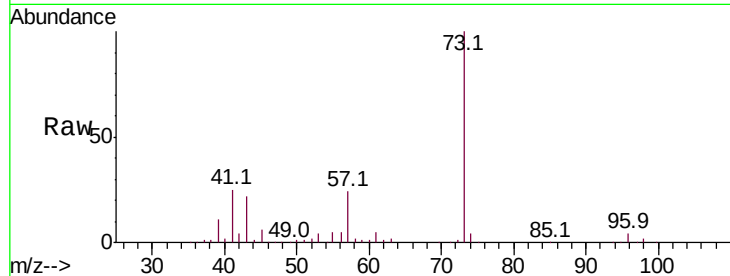
#19
Methyl tert-butyl Ether
Concen: 18.936 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.4	29.2

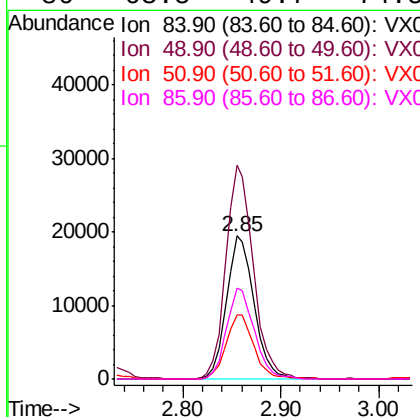
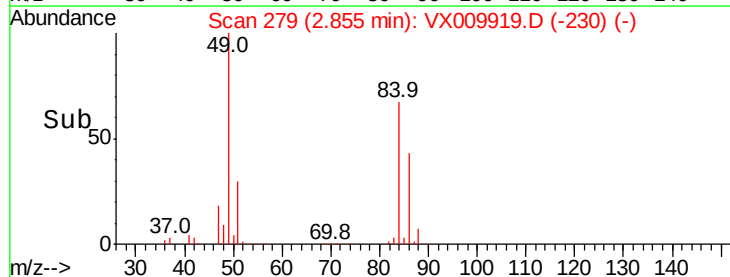
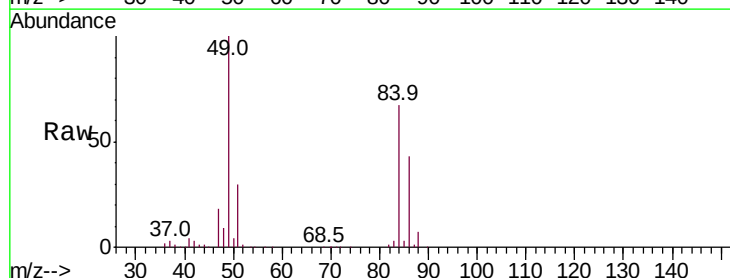
Manual Integrations
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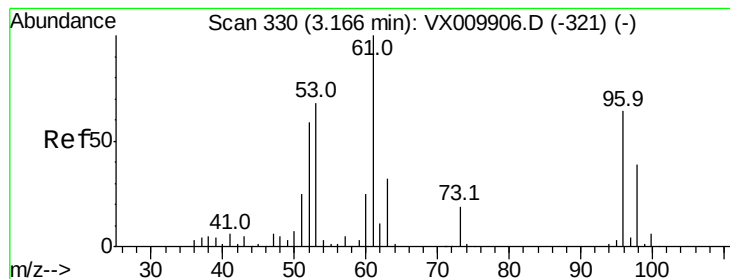
MMDadoda
5/29/2019 9:25:21 AM



#20
Methylene Chloride
Concen: 18.305 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.2	115.8	173.6
51	44.6	34.4	51.6
86	63.5	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 18.408 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampled :

VX0528WBSD01

Tot Ion: 96 Resp: 34486

Ion Ratio Lower Upper

96 100

61 154.8 125.7 188.5

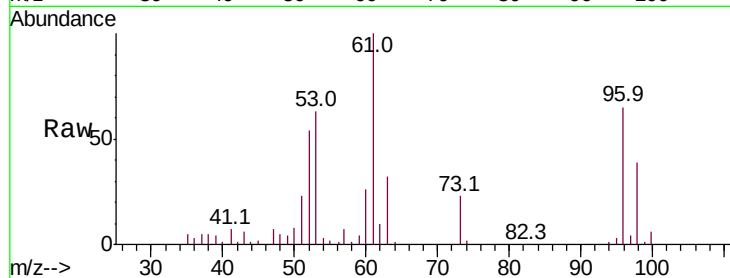
98 59.9 49.0 73.6

Manual Integrations

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MMDadoda

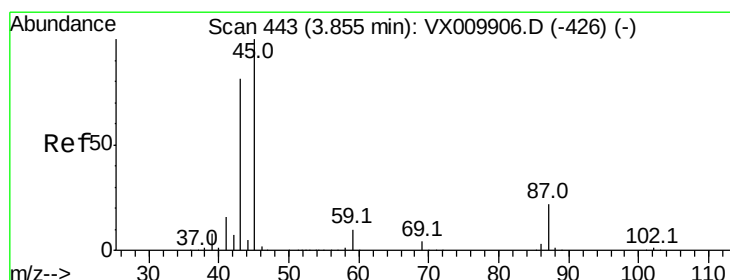
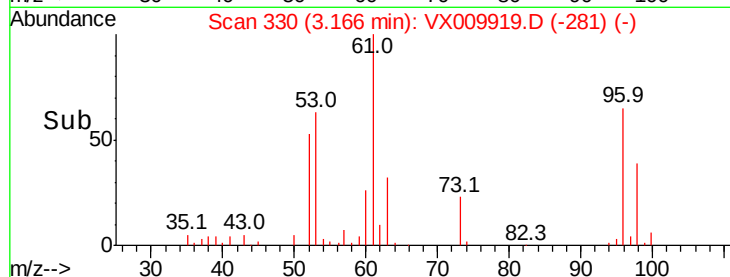
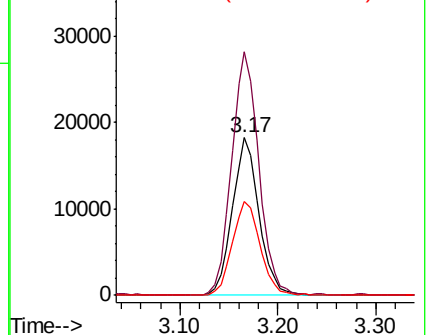
5/29/2019 9:25:21 AM



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: 19.191 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion: 45 Resp: 149425

Ion Ratio Lower Upper

45 100

43 80.9 65.0 97.4

87 20.3 17.3 25.9

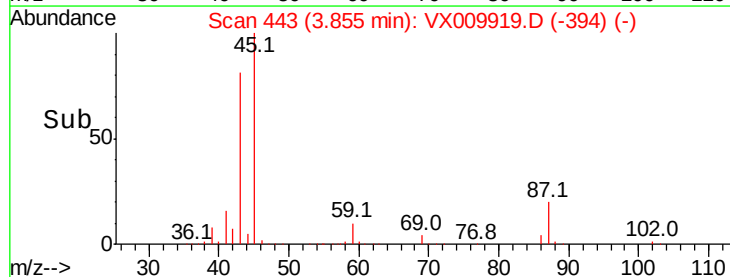
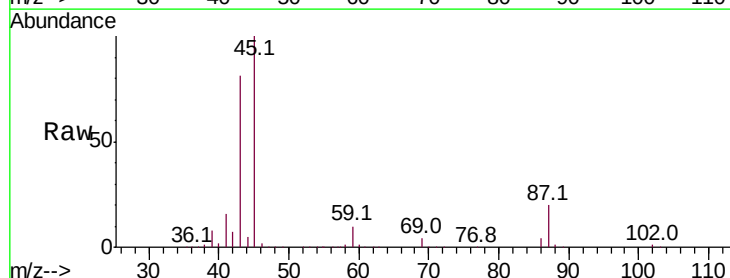
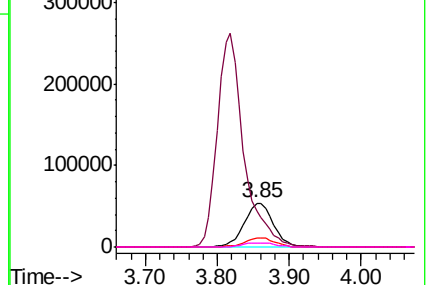
59 9.8 8.1 12.1

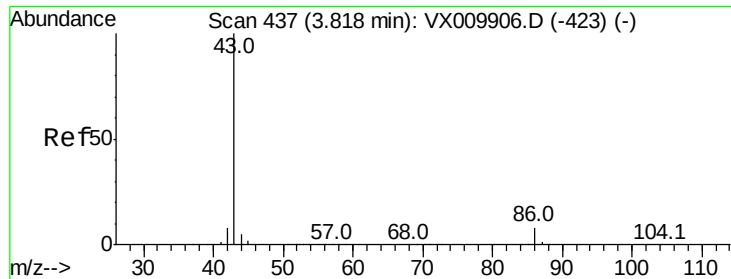
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





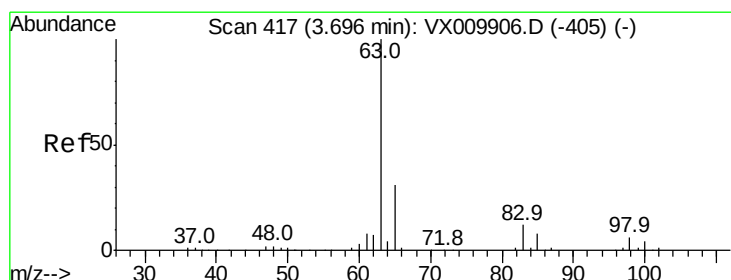
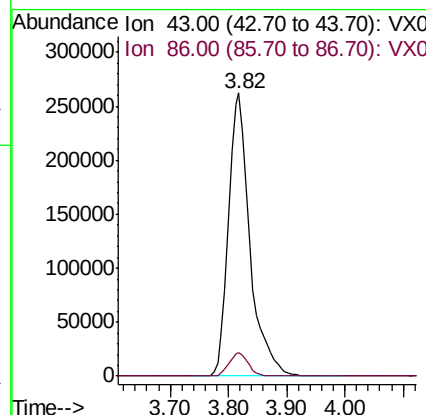
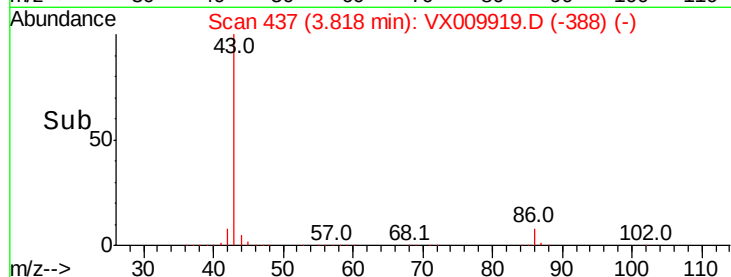
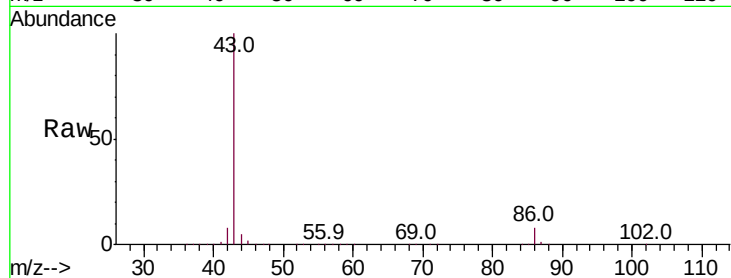
#23
Vinyl Acetate
Concen: 95.710 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	43	86	Ratio	Lower	Upper
43	100				
86	8.2		6.5	9.7	

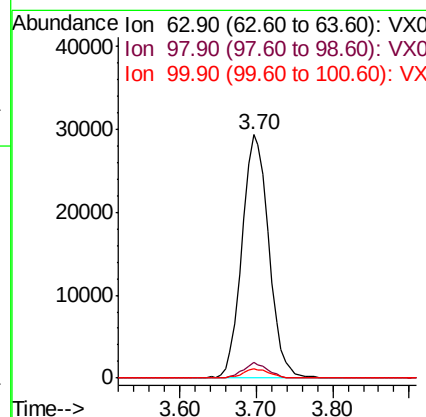
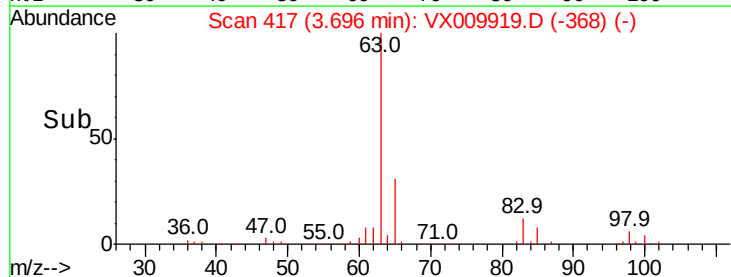
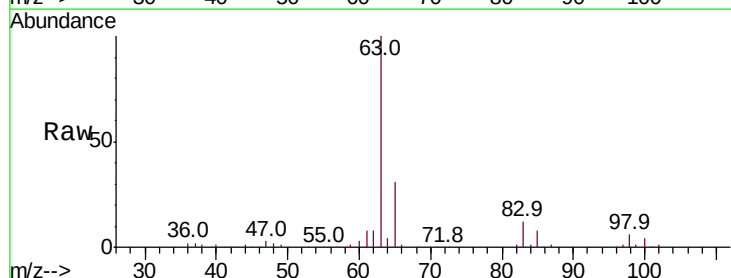
Manual Integrations
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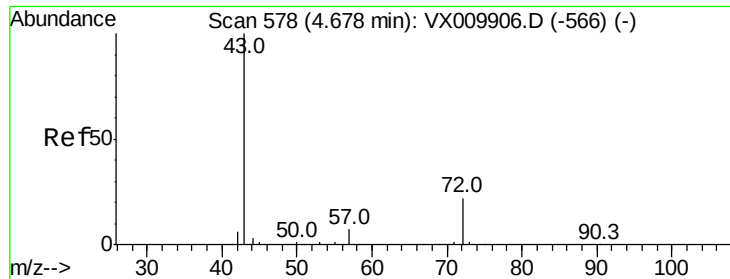
MMDadoda
5/29/2019 9:25:21 AM



#24
1,1-Dichloroethane
Concen: 18.950 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	63	98	100	Ratio	Lower	Upper
63	100					
98	6.4			2.9	8.8	
100	4.0			1.8	5.4	





#25

2-Butanone

Concen: 94.443 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion: 43 Resp: 199658

Ion Ratio Lower Upper

43 100

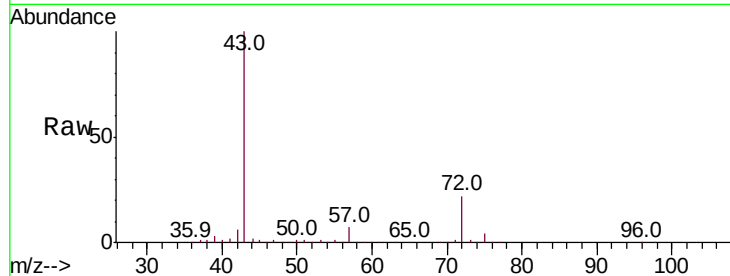
72 22.0 17.5 26.3

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

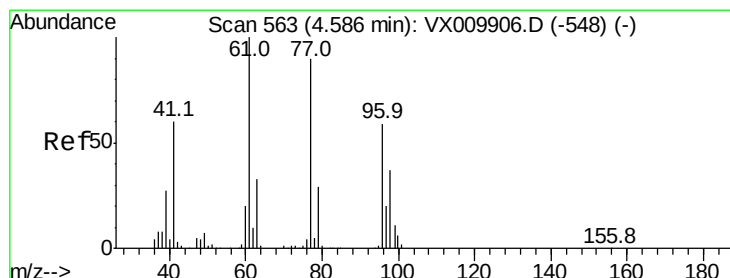
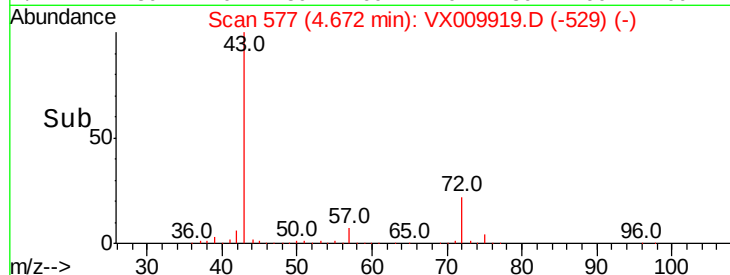
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.409 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX009919.D

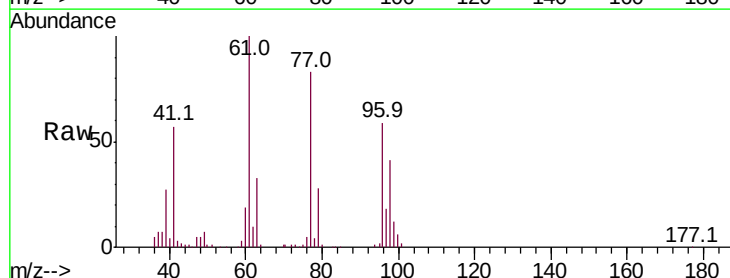
Acq: 28 May 2019 16:56

Tgt Ion: 77 Resp: 49694

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

15000

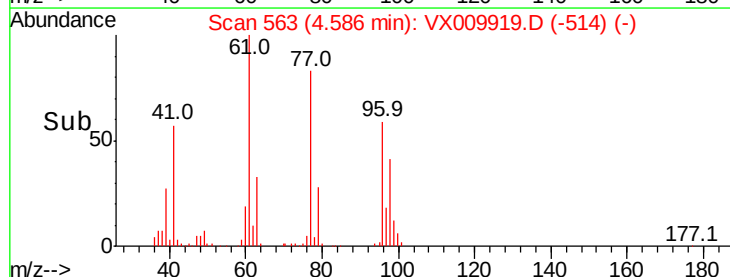
10000

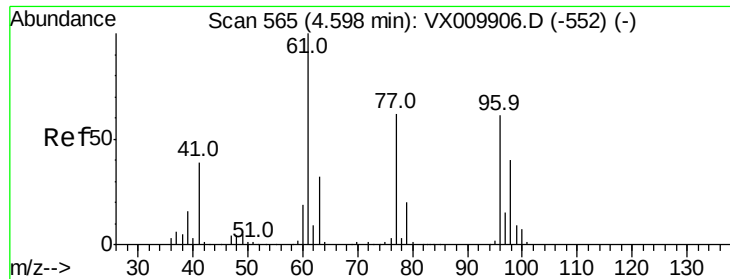
5000

0

4.50 4.60 4.70

Time-->





#27

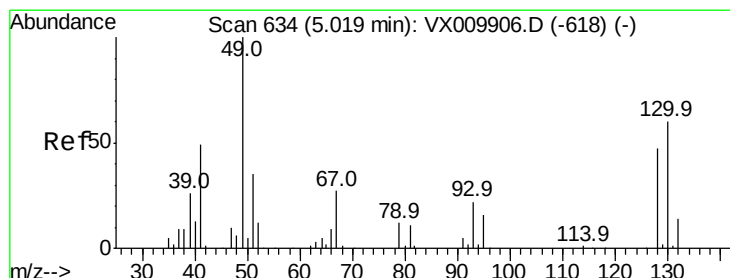
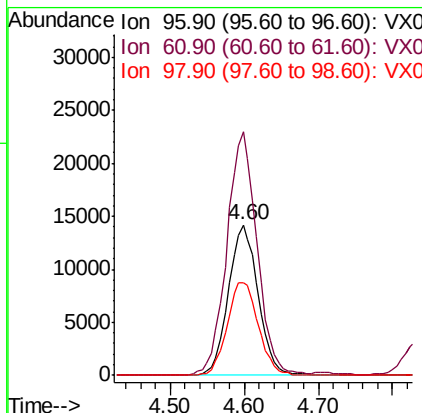
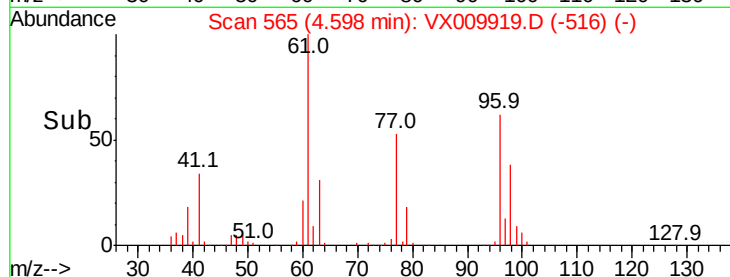
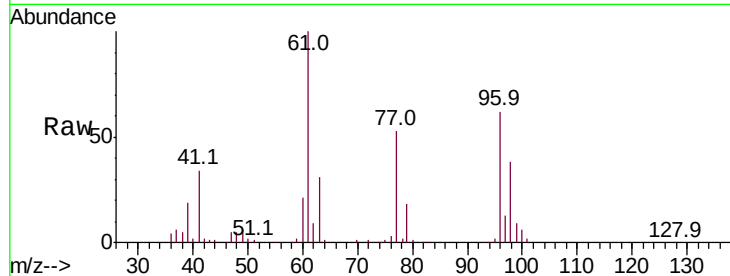
cis-1,2-Dichloroethene
Concen: 18.324 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.3	0.0	334.0	
98	64.9	0.0	131.6	

Manual Integrations
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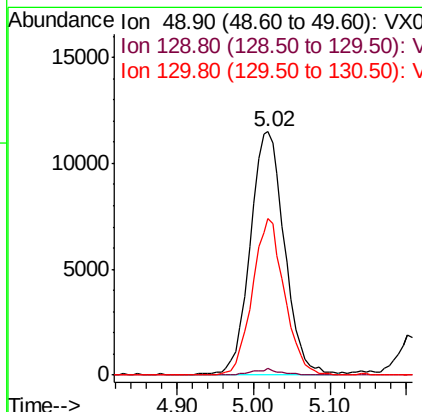
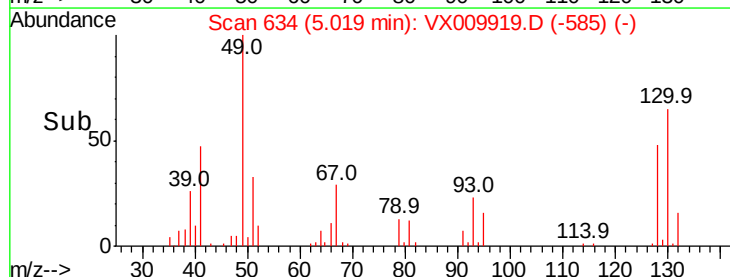
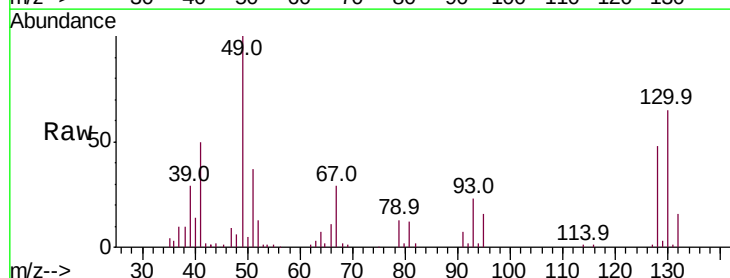
MMDadoda
5/29/2019 9:25:21 AM

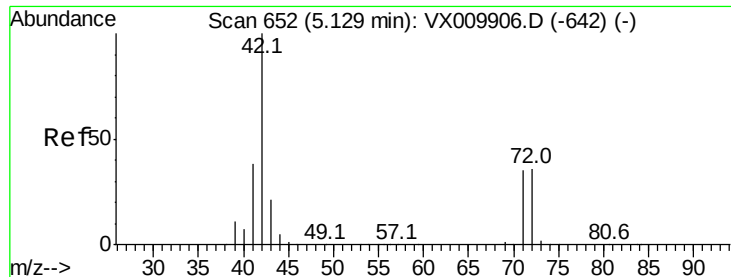


#28

Bromochloromethane
Concen: 18.355 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.4	
130	59.8	49.4	74.2	





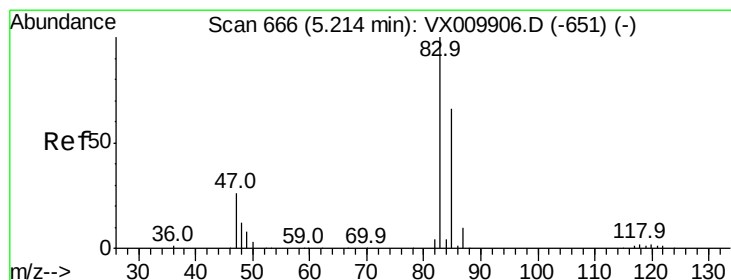
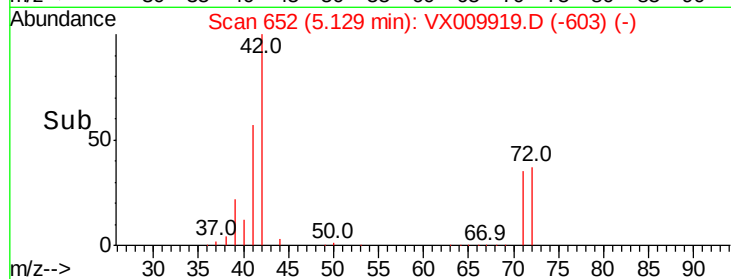
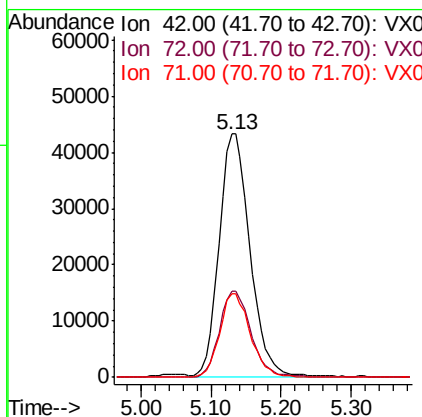
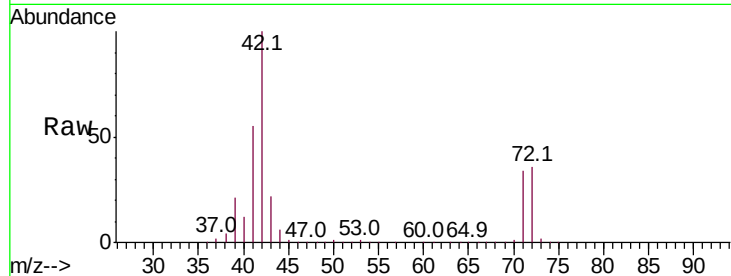
#29
Tetrahydrofuran
Concen: 97.266 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.2	43.8
71	34.3	27.6	41.4

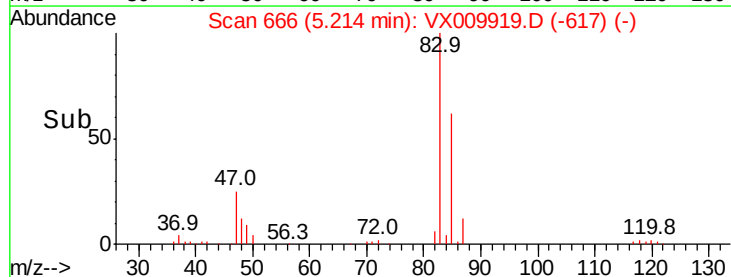
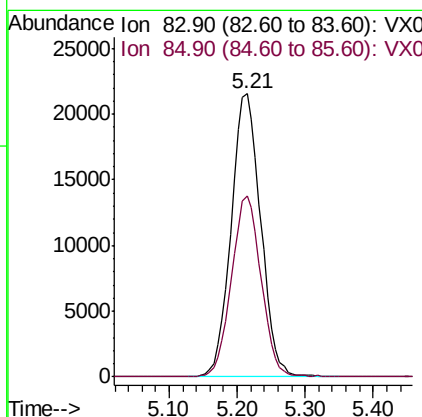
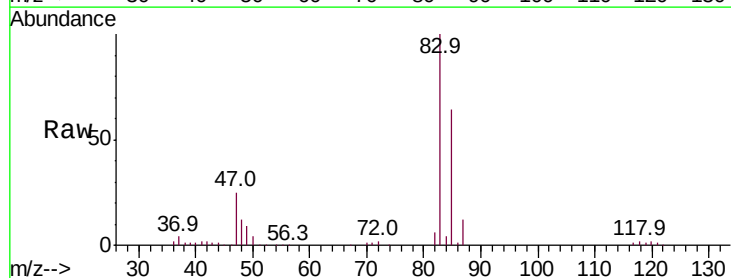
Manual Integrations
APPROVED

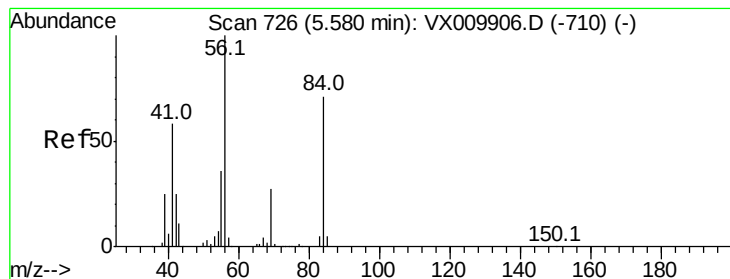
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5/29/2019 9:25:21 AM



#30
Chloroform
Concen: 19.057 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8





#31

Cyclohexane

Concen: 19.759 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

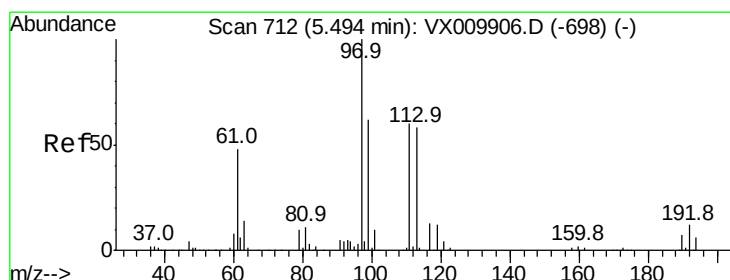
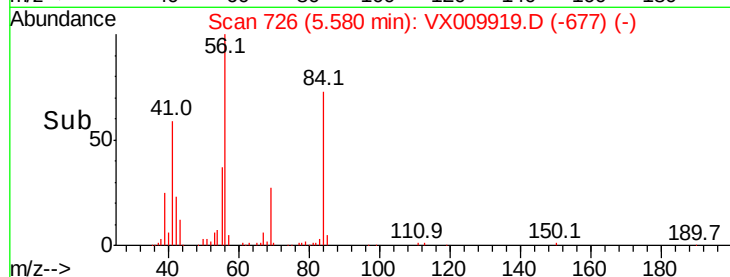
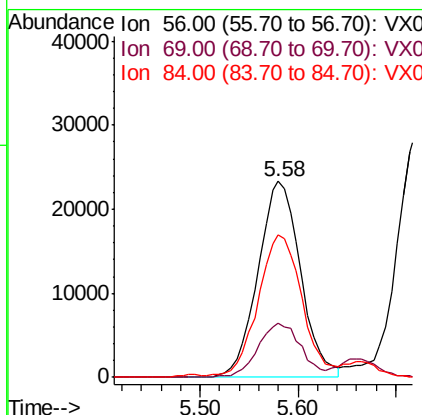
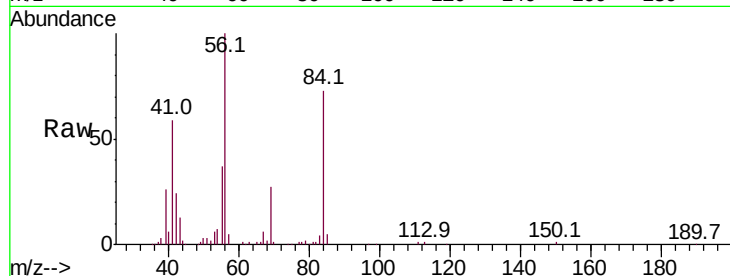
ClientSampleId :

VX0528WBSD01

Tot Ion:	56	Resp:	70618
Ion	Ratio	Lower	Upper
56	100		
69	27.2	21.6	32.4
84	71.4	56.8	85.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.197 ug/l

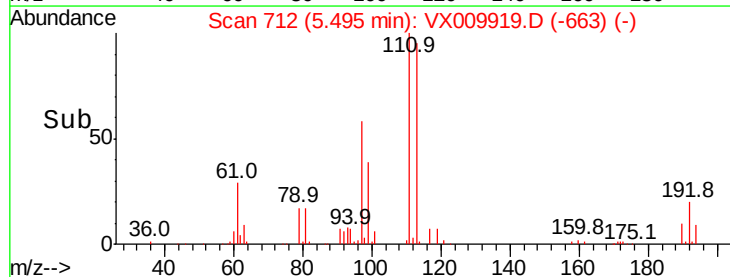
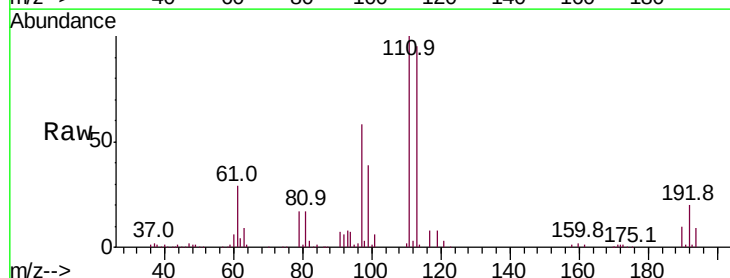
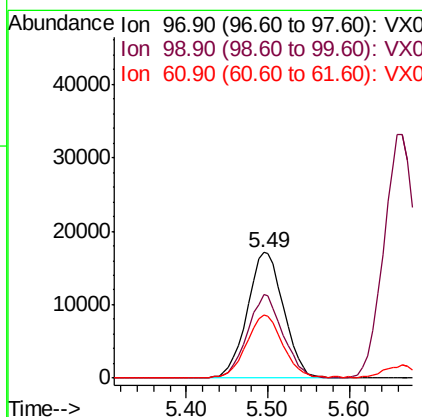
RT: 5.49 min Scan# 712

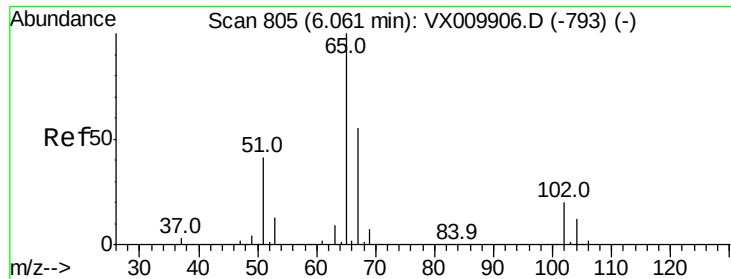
Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion:	97	Resp:	53205
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	50.2	38.7	58.1





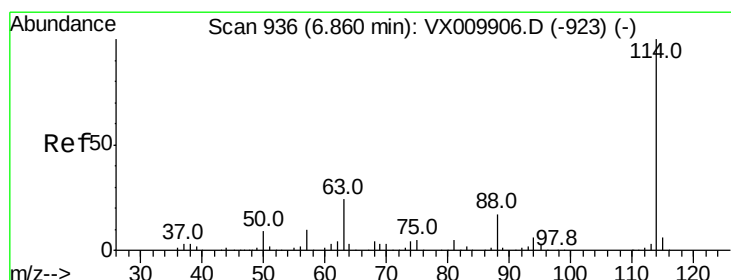
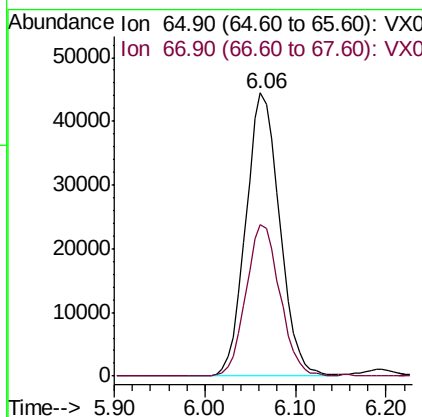
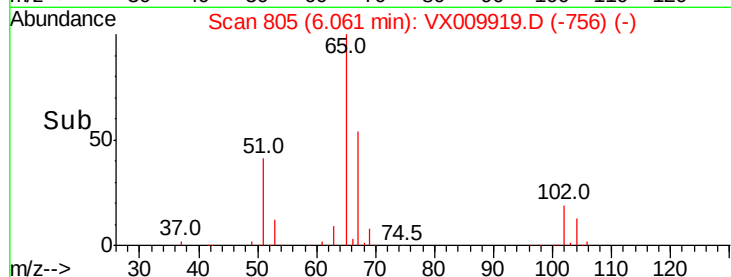
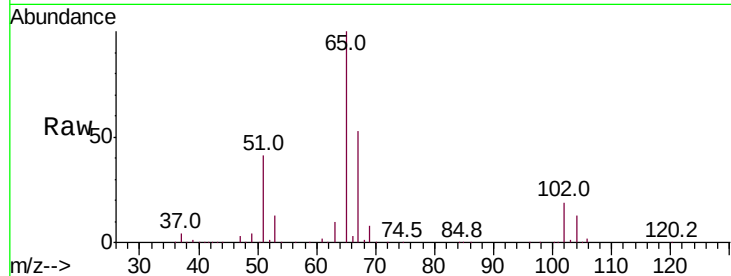
#33
 1,2-Dichloroethane-d4
 Concen: 49.163 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	108.4	

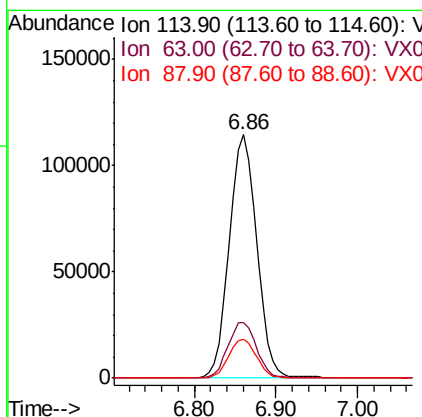
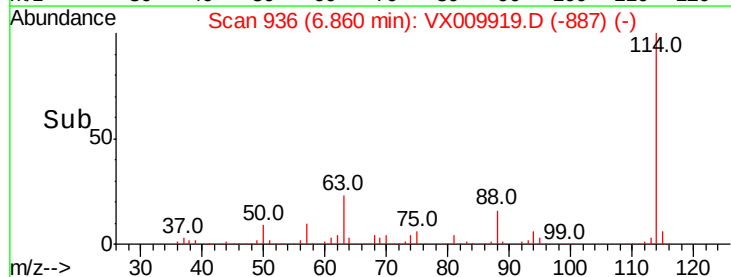
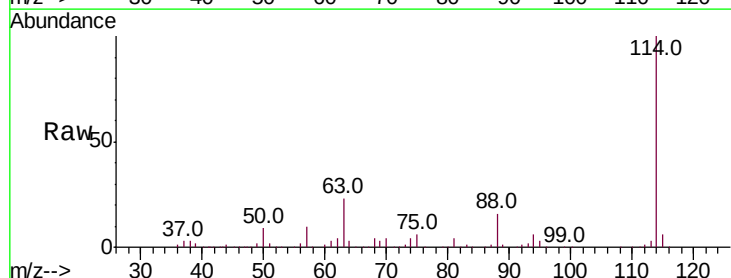
Manual Integrations
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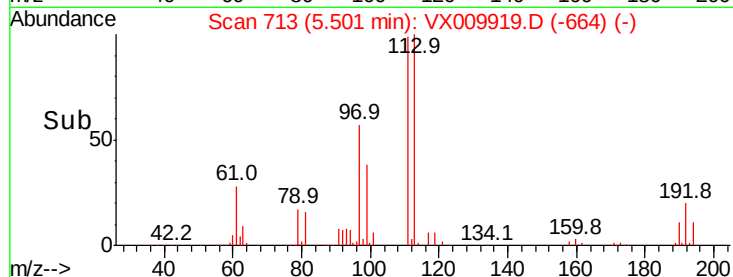
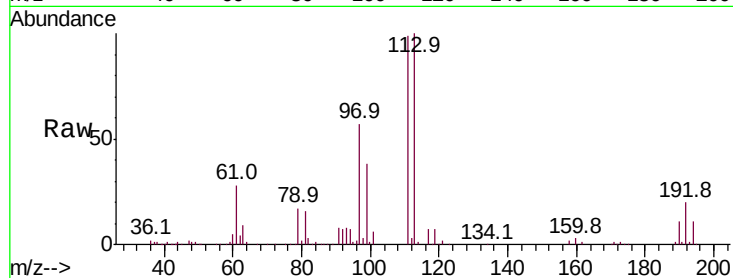
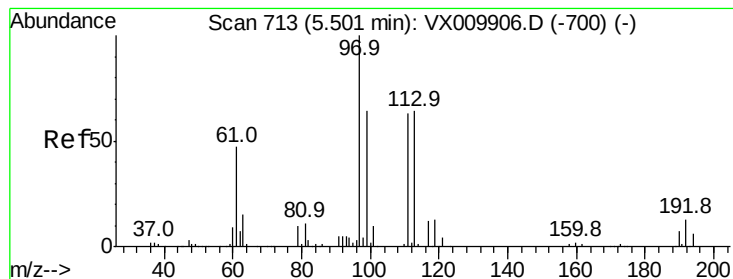
MMDadoda
 5/29/2019 9:25:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.0	0.0	47.4	
88	16.0	0.0	33.0	





#35

Dibromofluoromethane

Concen: 49.383 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009919.D

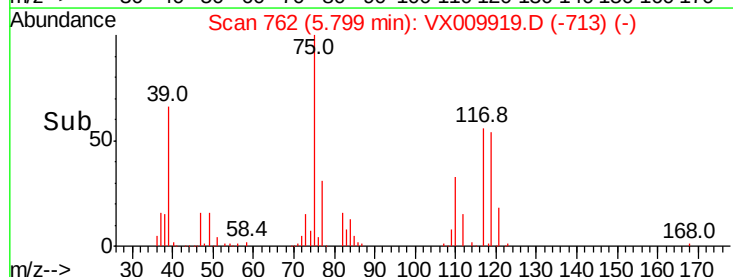
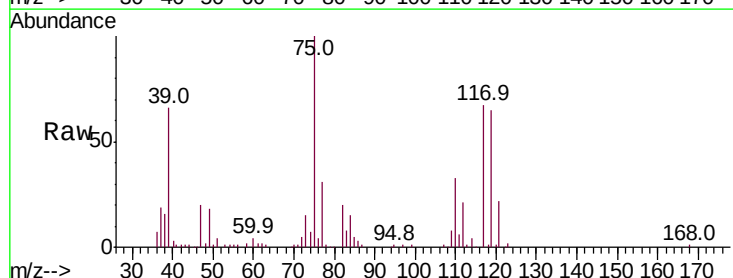
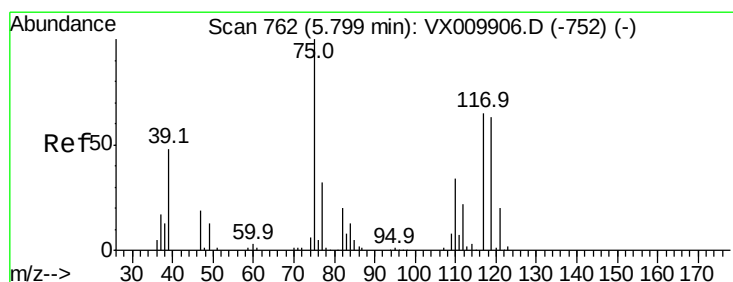
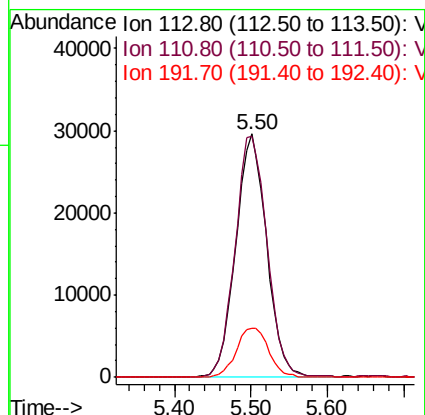
Acq: 28 May 2019 16:56

Tot Ion:	113	Resp:	82978
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	21.3	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

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#36

1,1-Dichloropropene

Concen: 18.342 ug/l

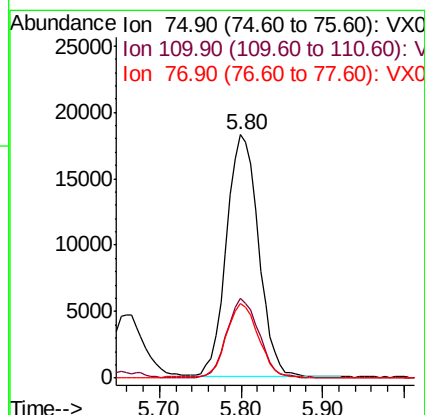
RT: 5.80 min Scan# 762

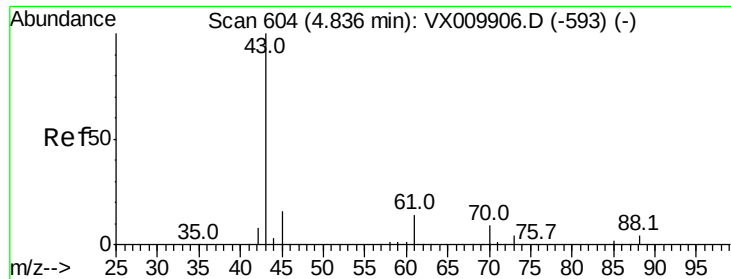
Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion:	75	Resp:	49739
Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.7	50.1
77	31.1	25.0	37.4





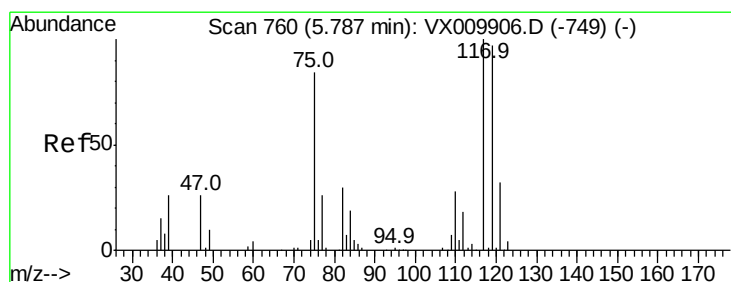
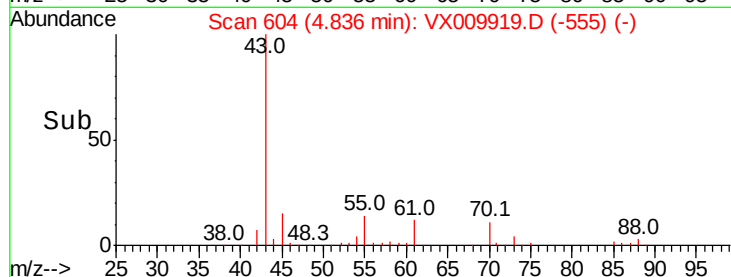
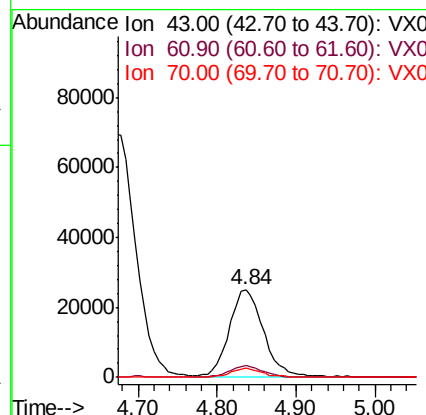
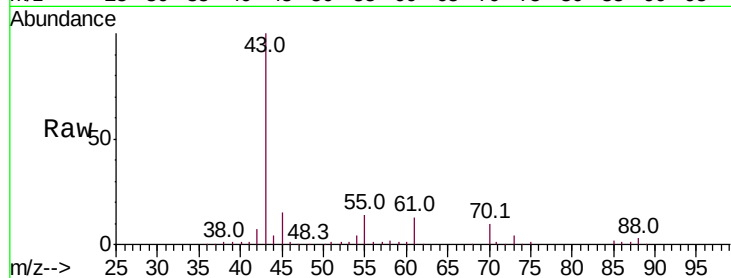
#37
Ethyl Acetate
Concen: 19.947 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.2	15.2
70	9.5	7.4	11.2

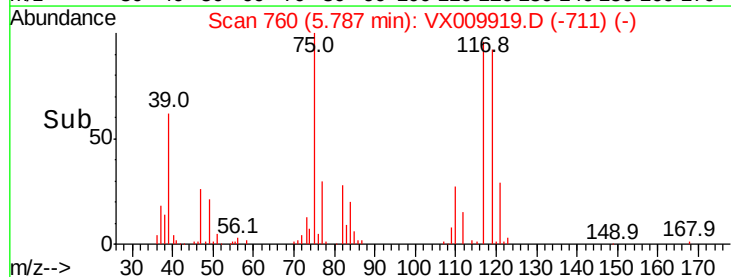
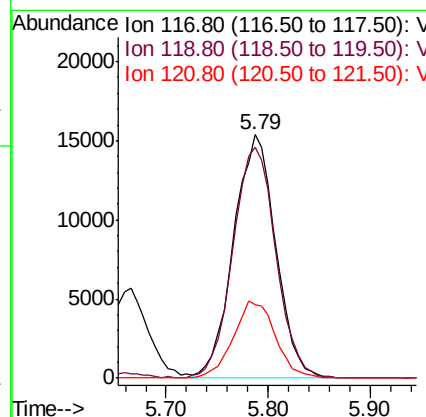
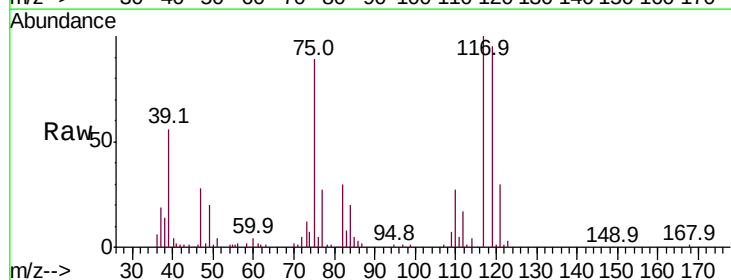
Manual Integrations
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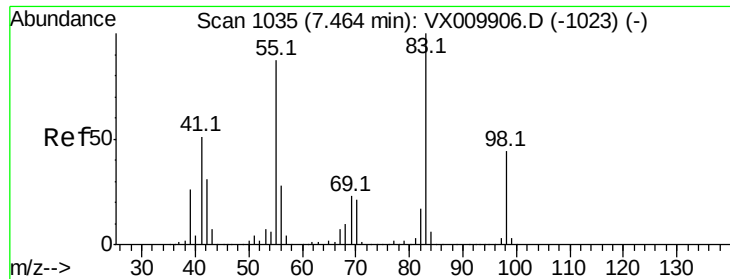
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#38
Carbon Tetrachloride
Concen: 18.856 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.3	115.9
121	30.0	25.4	38.0





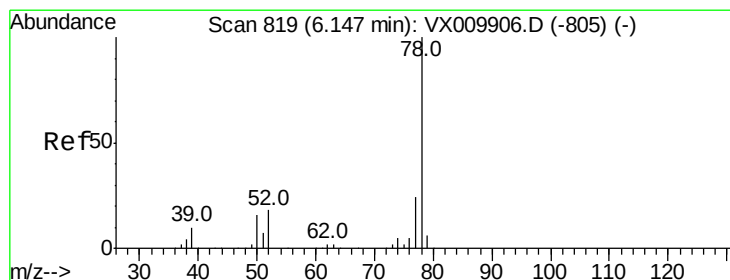
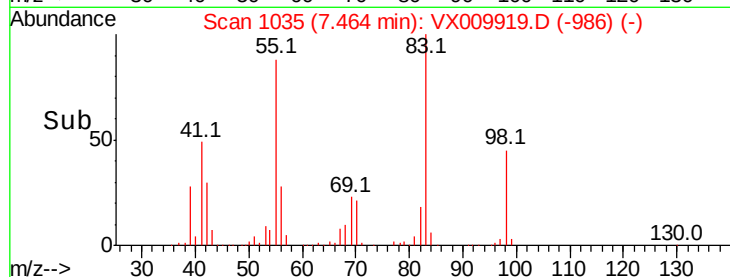
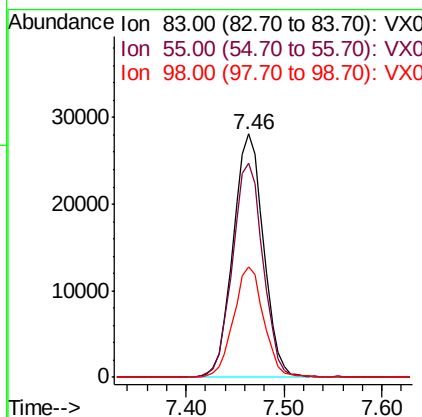
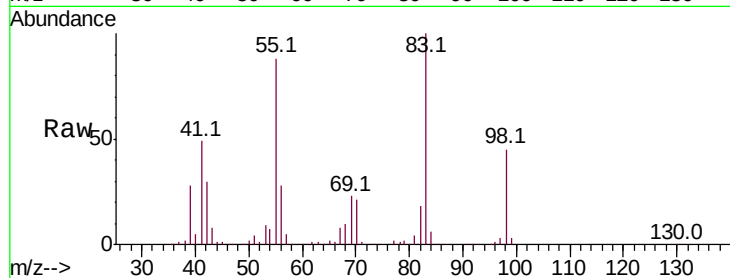
#39
Methylvlcyclohexane
Concen: 18.906 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampled :
VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.0	69.9	104.9
98	45.4	35.1	52.7

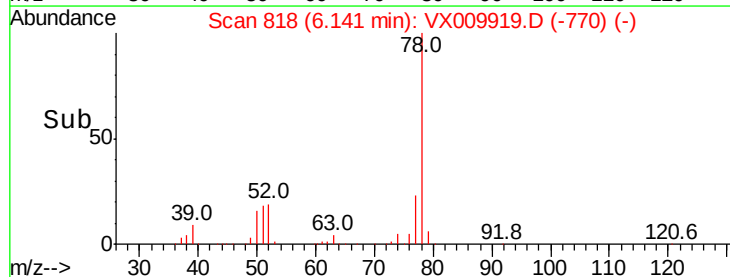
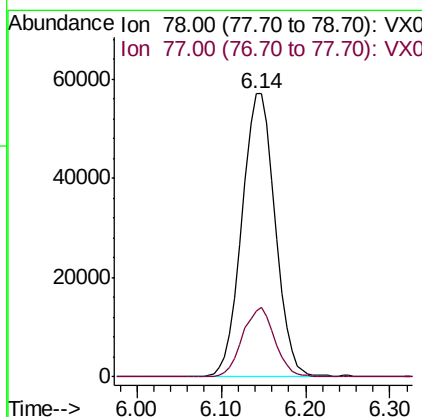
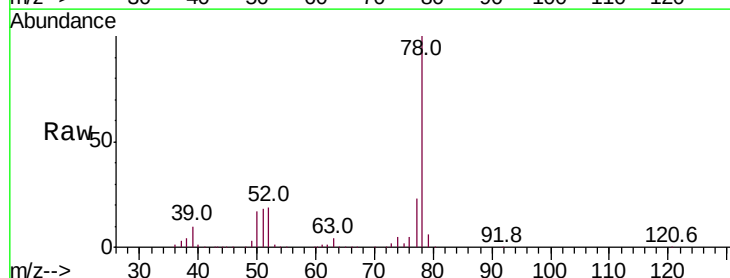
Manual Integrations
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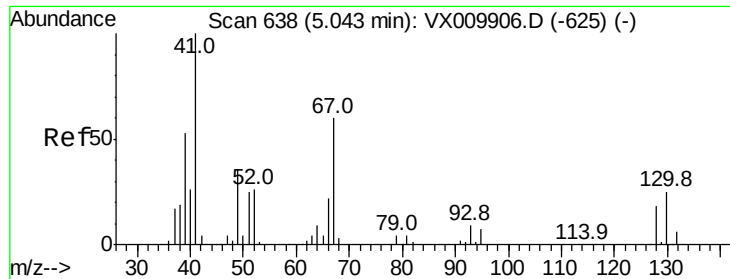
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#40
Benzene
Concen: 19.051 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





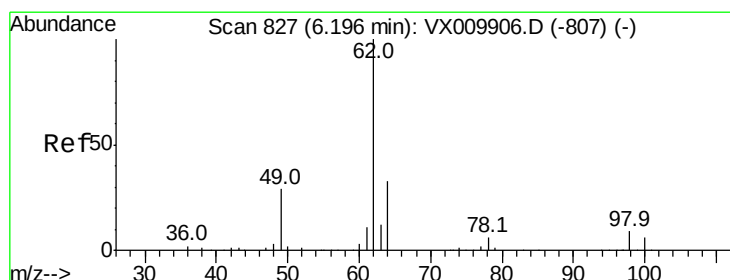
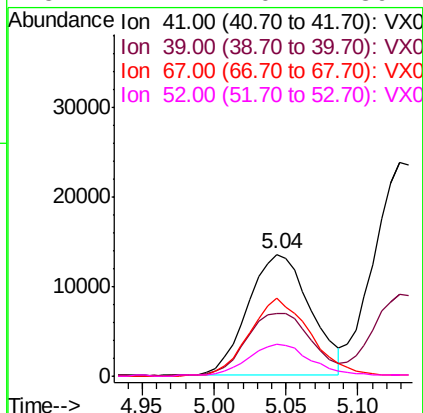
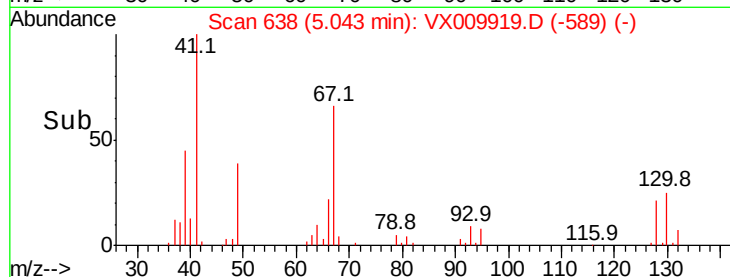
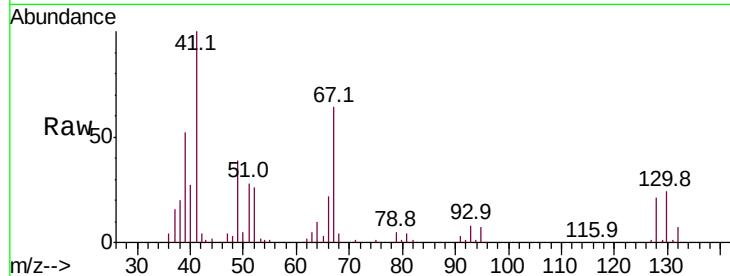
#41
Methacrylonitrile
Concen: 18.509 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	42.2	63.4	
67	62.8	48.9	73.3	
52	27.2	20.1	30.1	

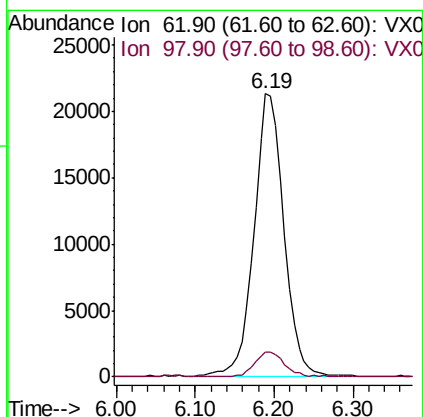
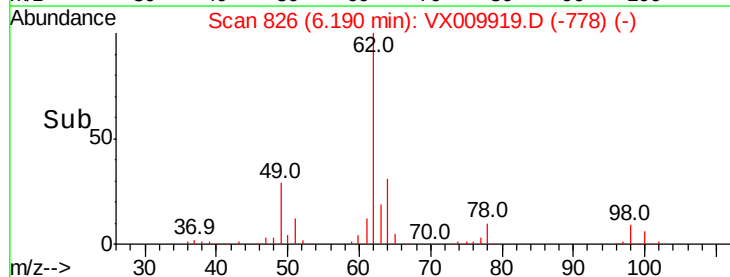
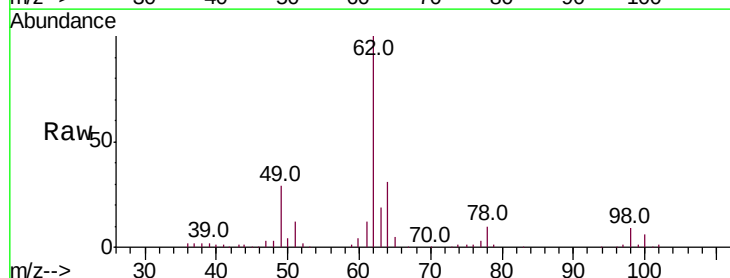
Manual Integrations
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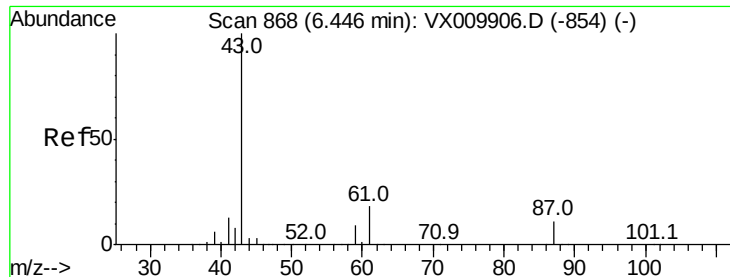
MMDadoda
5/29/2019 9:25:21 AM



#42
1,2-Dichloroethane
Concen: 18.971 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.2	





#43

Isopropyl Acetate

Concen: 18.666 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

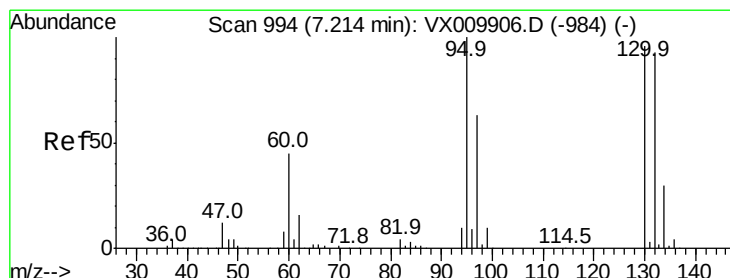
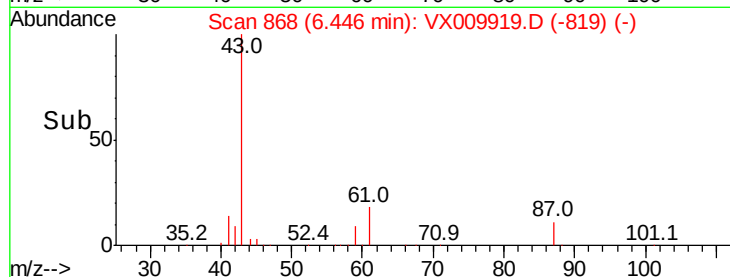
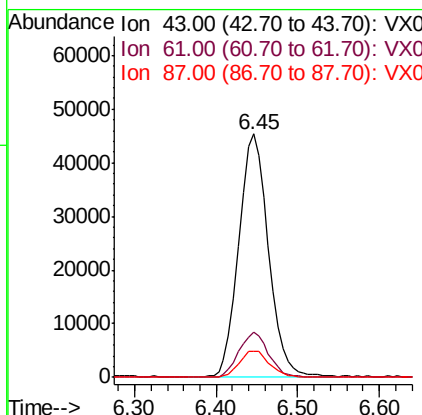
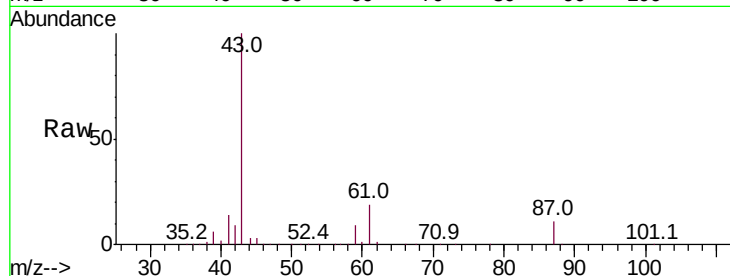
ClientSampleId :

VX0528WBSD01

Tot Ion:	43	Resp:	113796
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.6	21.8
87	11.1	8.7	13.1

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#44

Trichloroethene

Concen: 18.446 ug/l

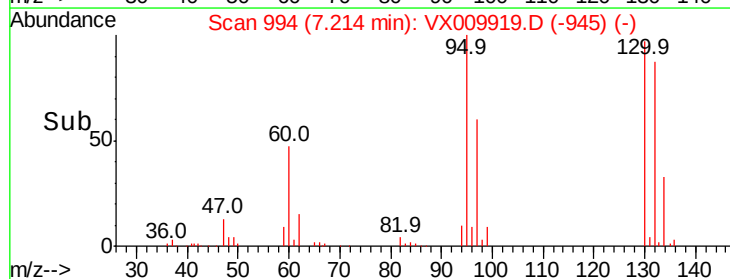
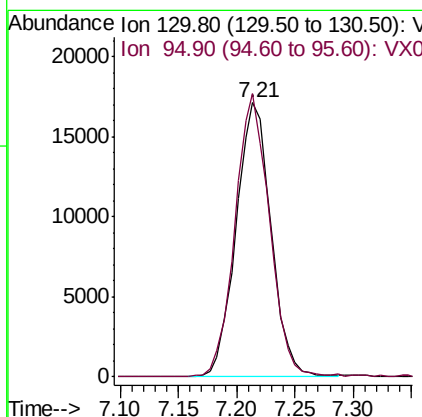
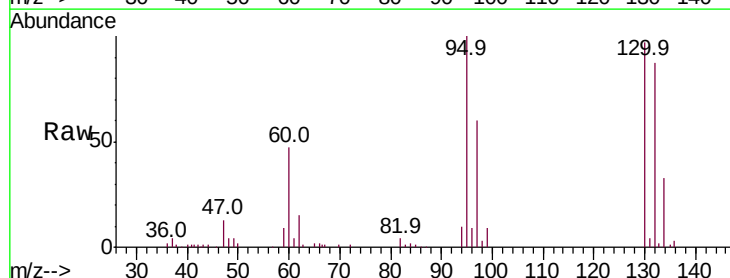
RT: 7.21 min Scan# 994

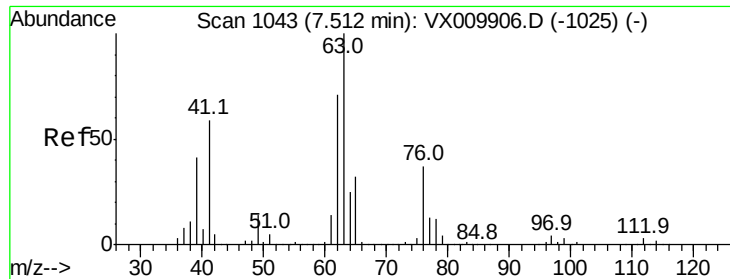
Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion:	130	Resp:	36042
Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	207.4





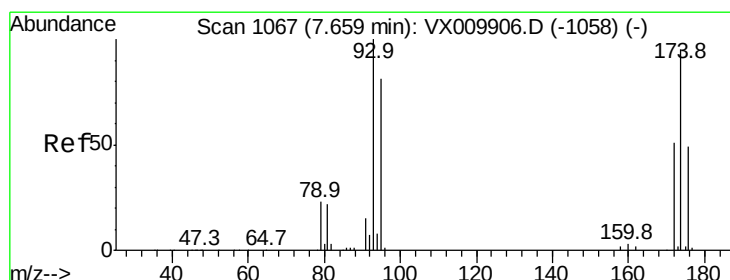
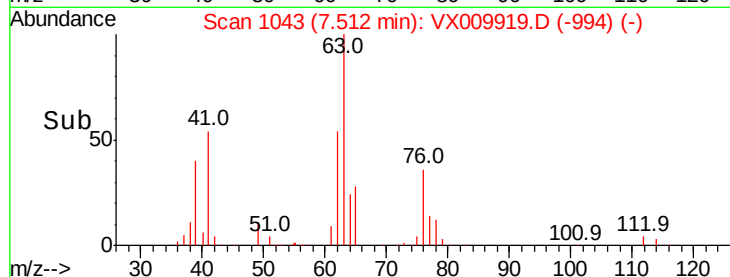
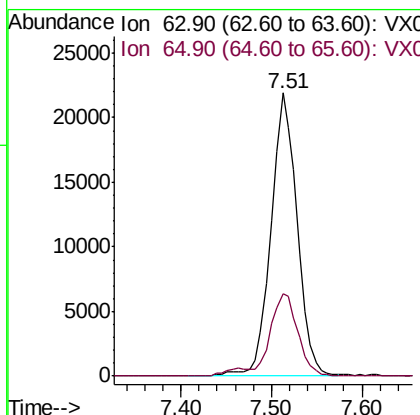
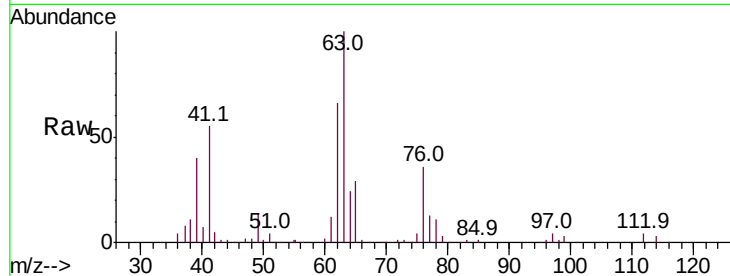
#45
 1,2-Dichloropropane
 Concen: 18.890 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0528WBSD01

Tot Ion: 63 Resp: 43742
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.7 38.5

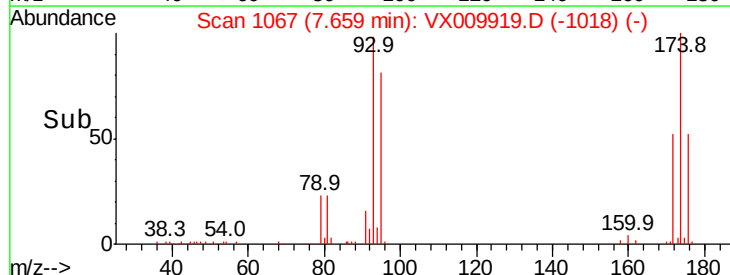
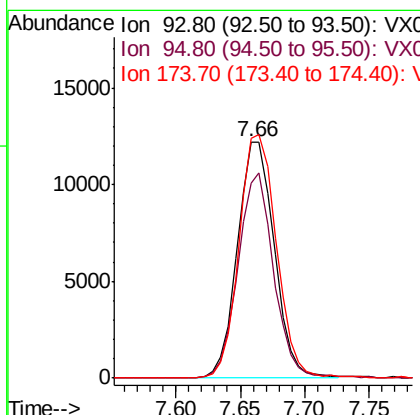
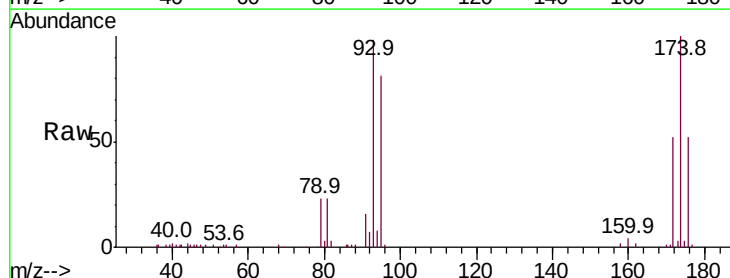
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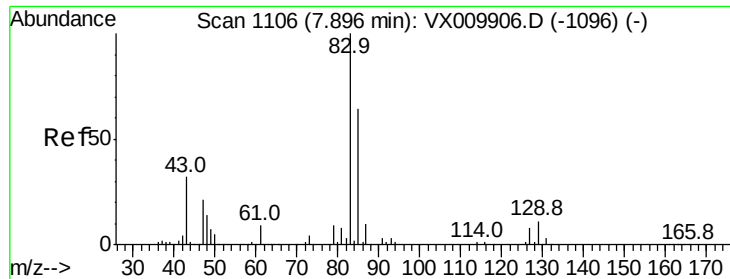
MMDadoda
 5/29/2019 9:25:21 AM



#46
 Dibromomethane
 Concen: 17.798 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion: 93 Resp: 24259
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.8 100.2
 174 104.4 81.9 122.9





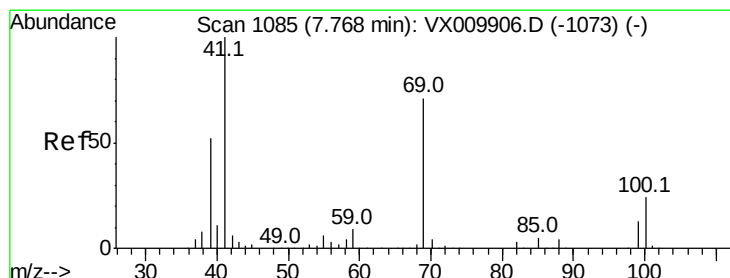
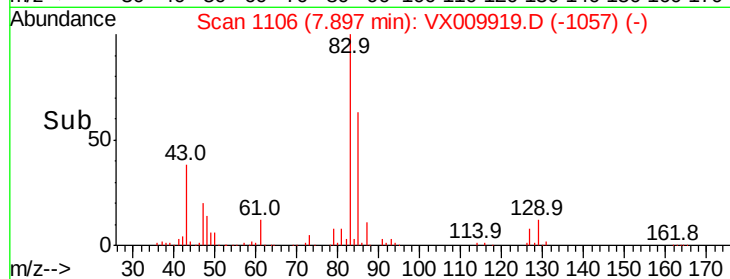
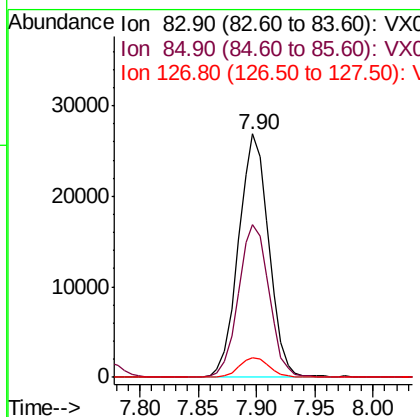
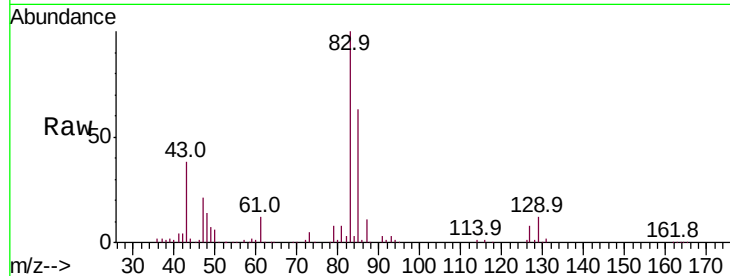
#47
 Bromodichloromethane
 Concen: 18.810 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion	83	Resp	48756
Ion Ratio	100		
85	63.0	51.4	77.2
127	7.8	6.4	9.6

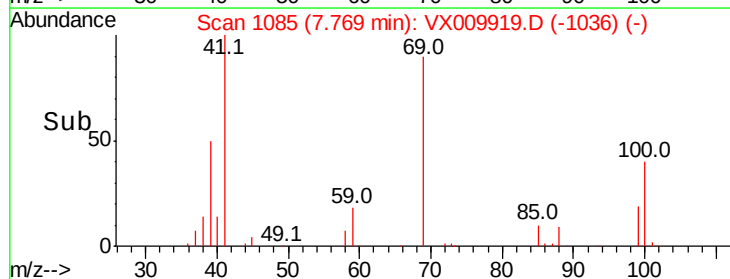
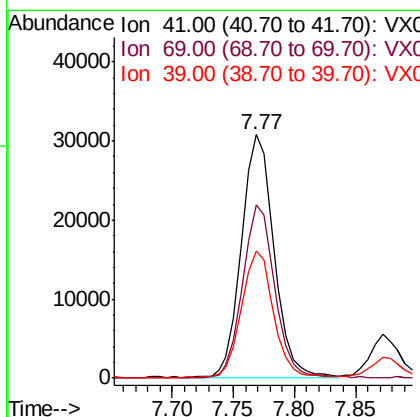
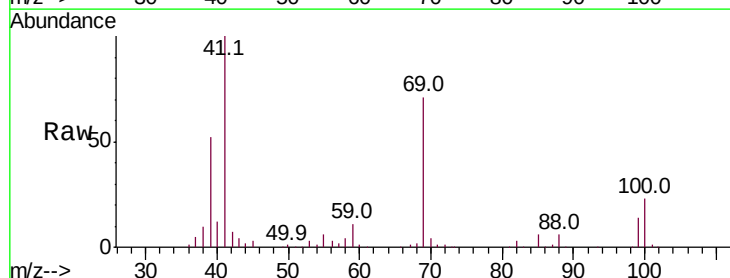
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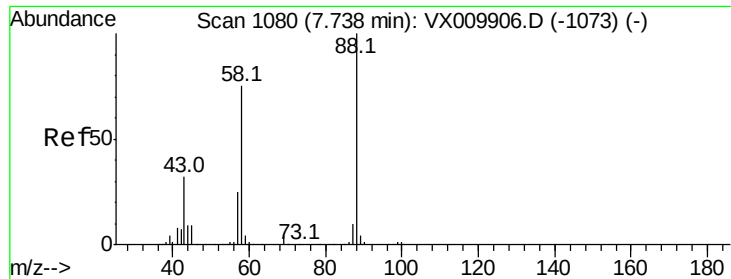
MMDadoda
 5/29/2019 9:25:21 AM



#48
 Methyl methacrylate
 Concen: 18.843 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion	41	Resp	56869
Ion Ratio	100		
69	71.4	56.4	84.6
39	51.0	40.6	60.8





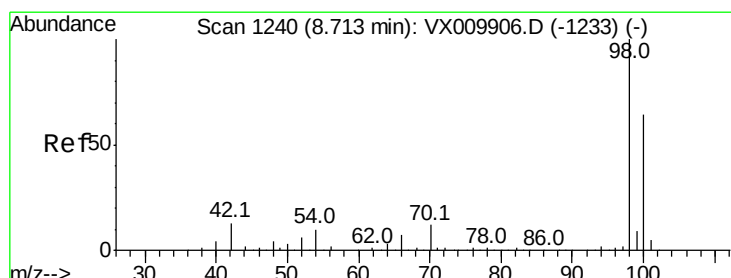
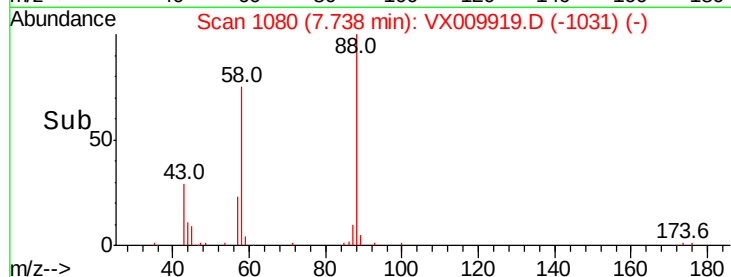
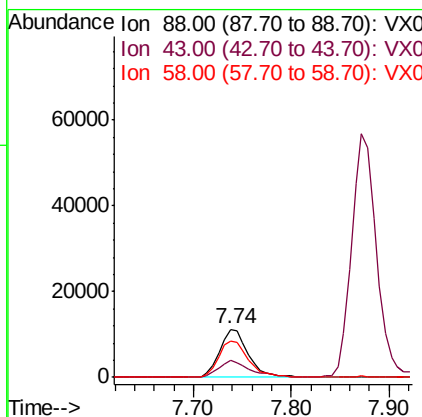
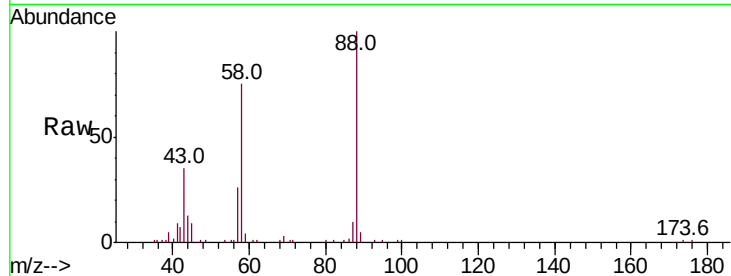
#49
1,4-Dioxane
Concen: 401.616 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.2	45.4
58	79.0	64.0	96.0

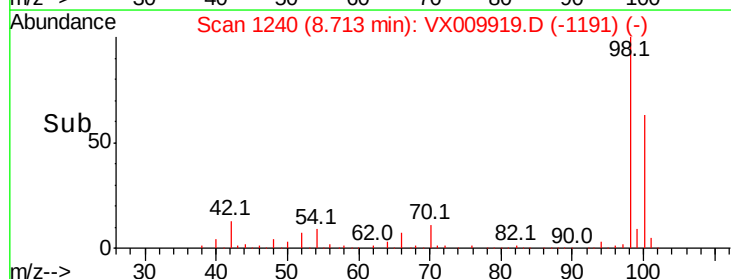
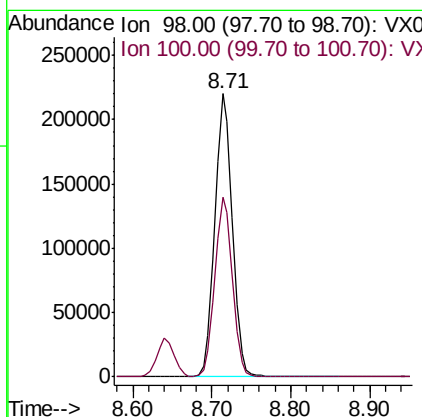
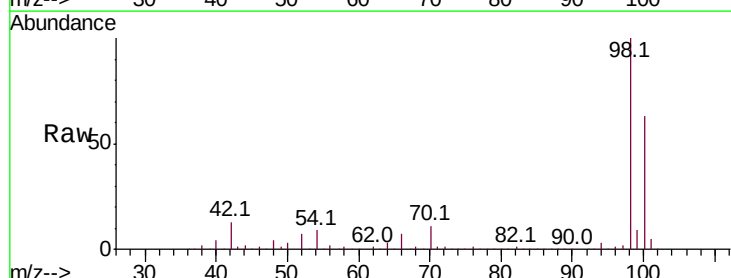
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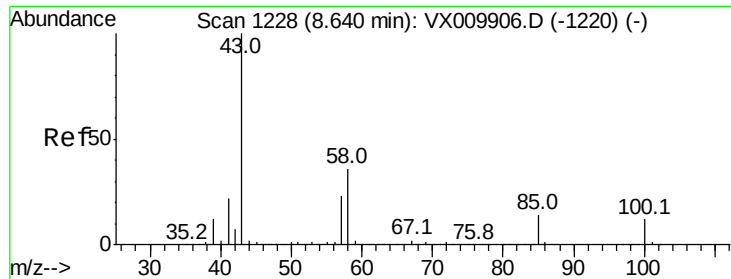
MMDadoda
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#50
Toluene-d8
Concen: 49.989 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 96.197 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion: 43 Resp: 381511

Ion Ratio Lower Upper

43 100

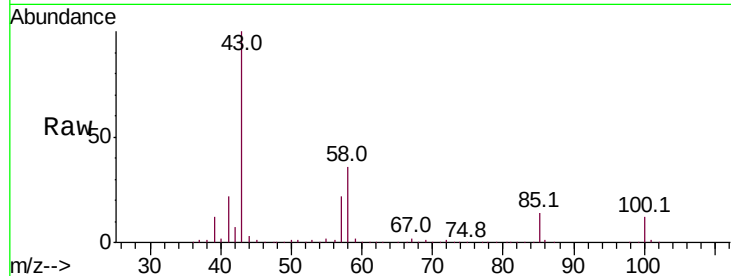
58 36.0 28.8 43.2

Manual Integrations

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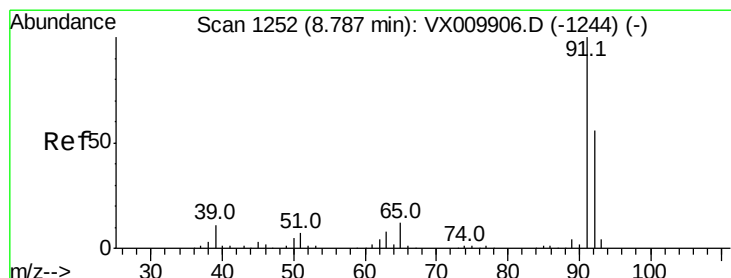
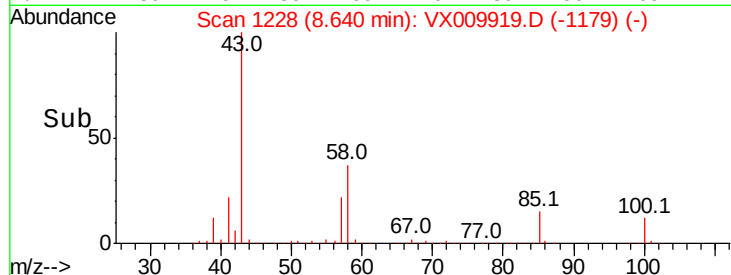
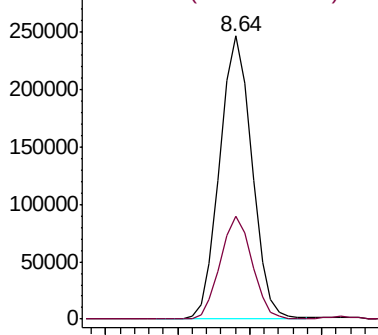
MMDadoda

5/29/2019 9:25:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.057 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009919.D

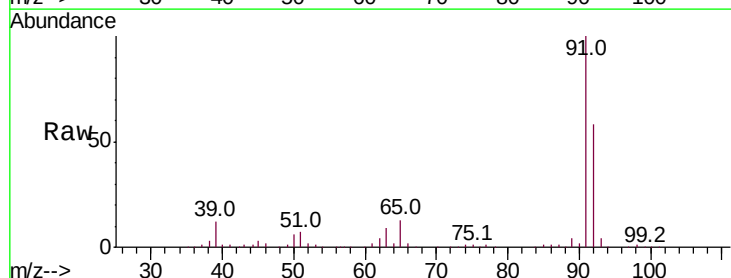
Acq: 28 May 2019 16:56

Tgt Ion: 92 Resp: 93077

Ion Ratio Lower Upper

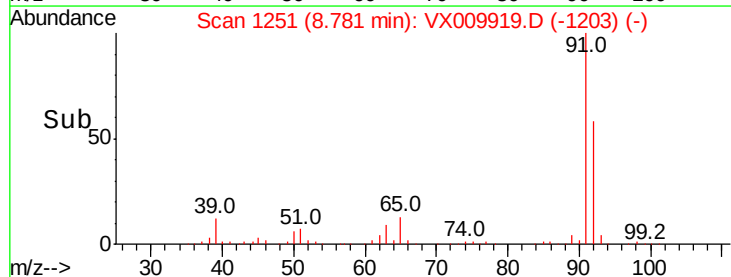
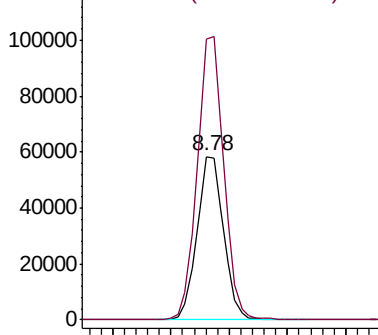
92 100

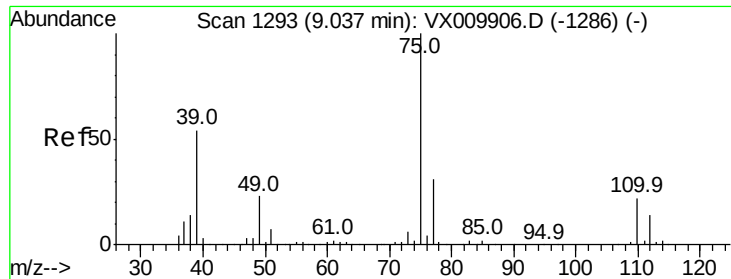
91 173.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





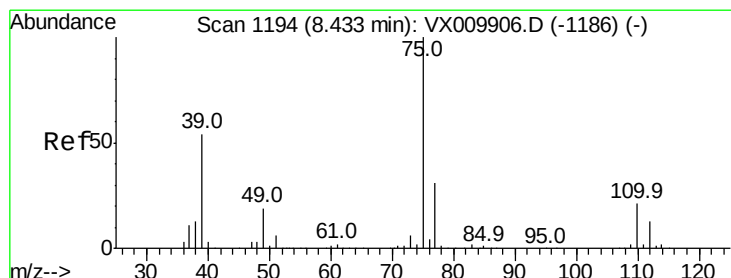
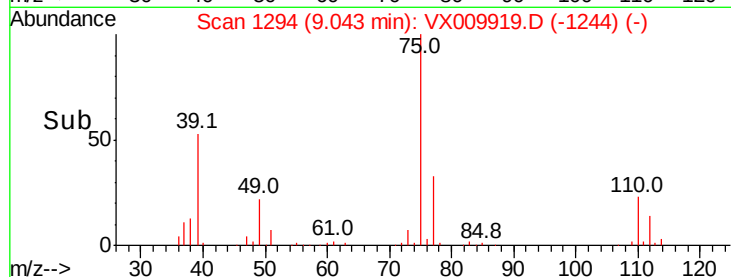
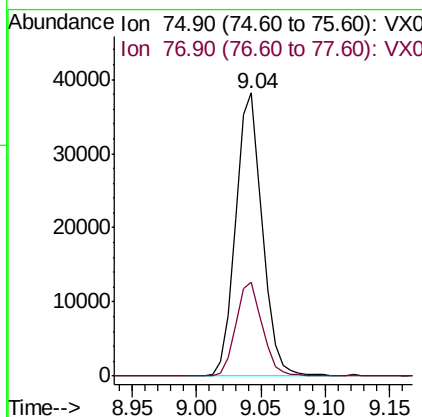
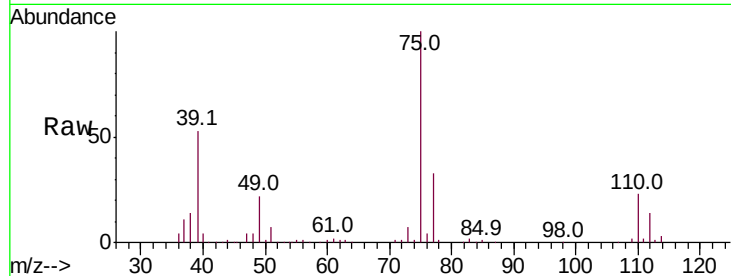
#53
 t-1,3-Dichloropropene
 Concen: 17.653 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion: 75 Resp: 54874
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.6 36.8

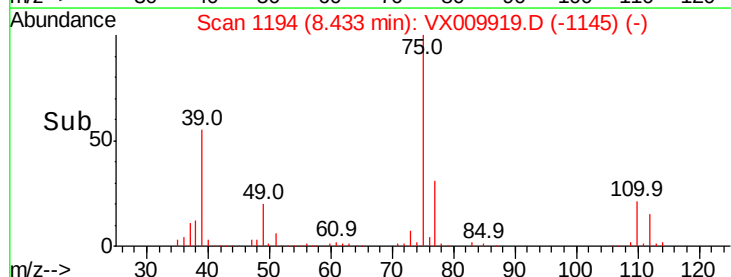
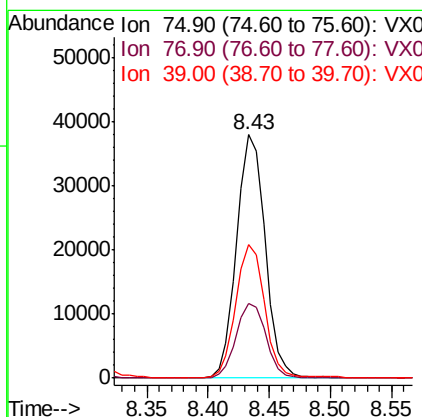
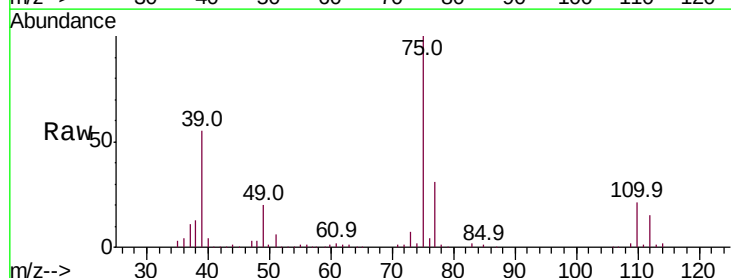
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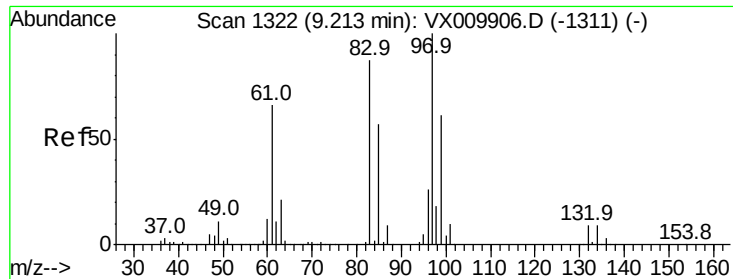
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 18.233 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion: 75 Resp: 61755
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 54.6 43.4 65.0





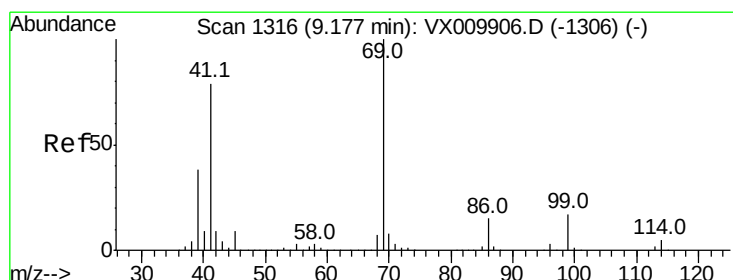
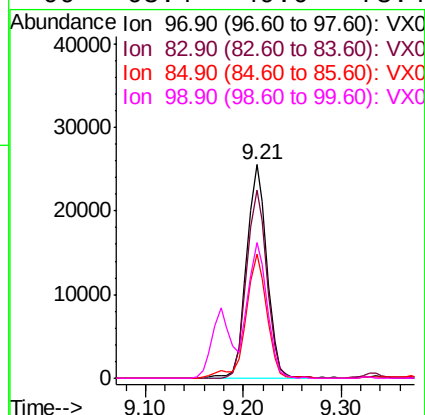
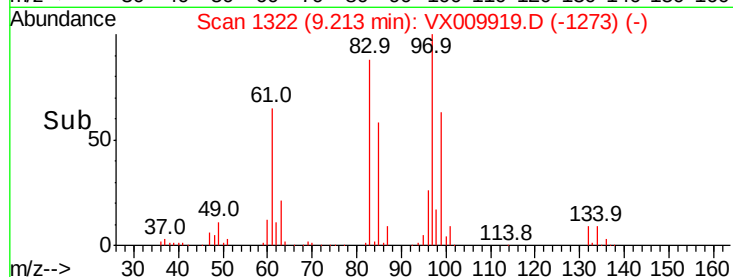
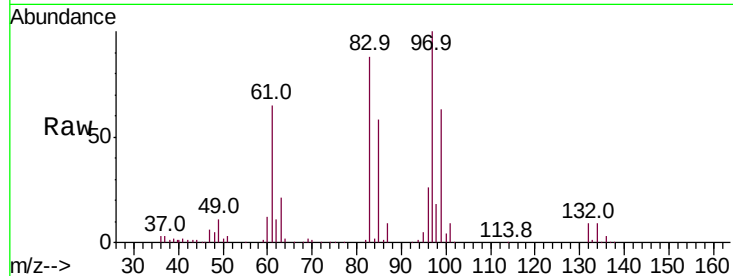
#55
 1,1,2-Trichloroethane
 Concen: 18.872 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion:	97	Resp:	37098
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.8
85	57.9	45.3	67.9
99	63.4	49.0	73.4

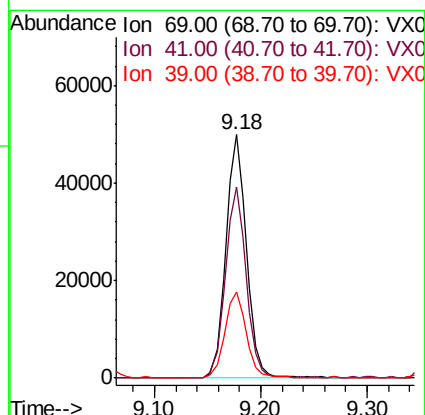
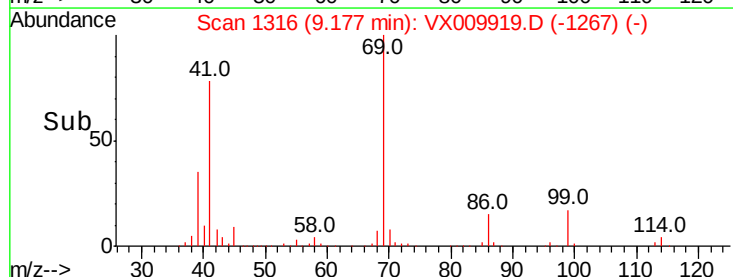
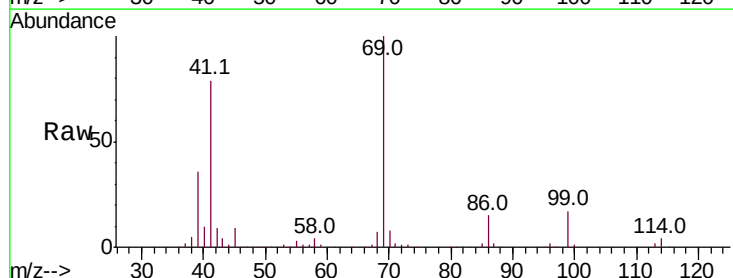
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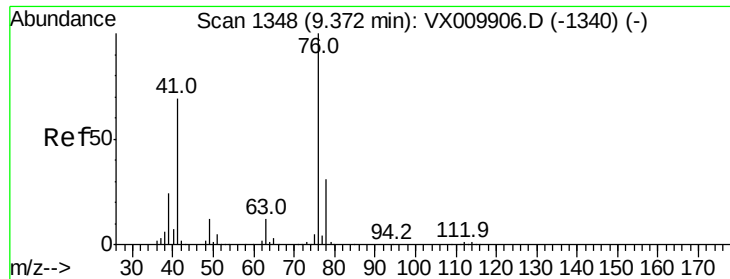
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#56
 Ethyl methacrylate
 Concen: 19.379 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion:	69	Resp:	67820
Ion	Ratio	Lower	Upper
69	100		
41	79.4	62.7	94.1
39	36.0	29.5	44.3





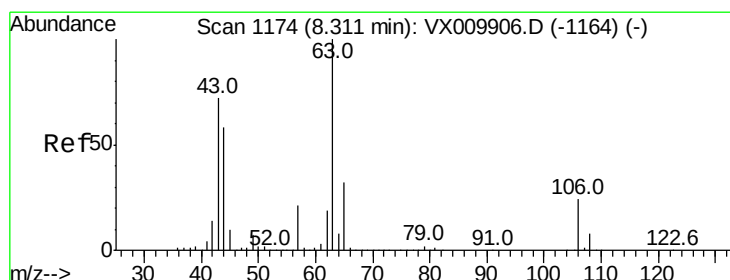
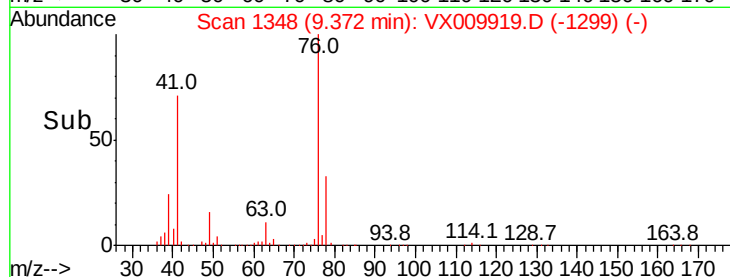
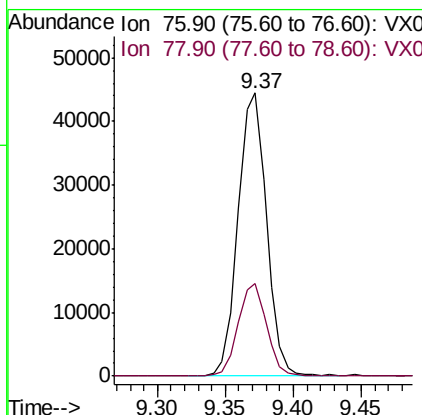
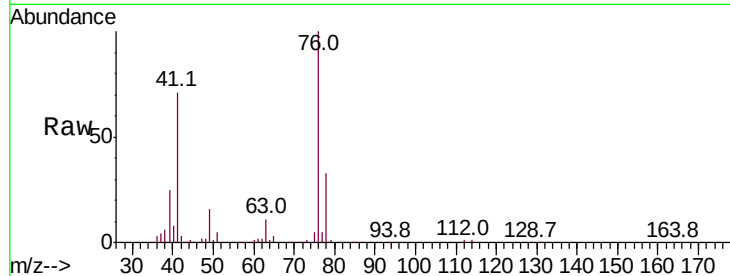
#57
 1,3-Dichloropropane
 Concen: 18.424 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion: 76 Resp: 65043
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0

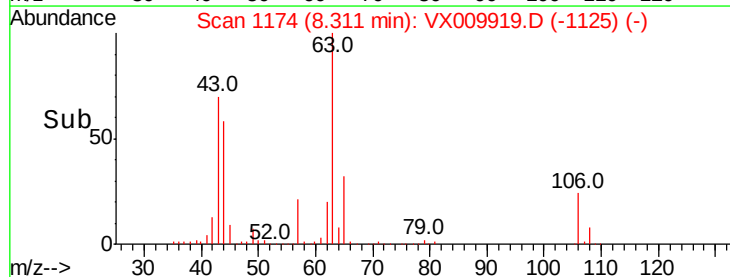
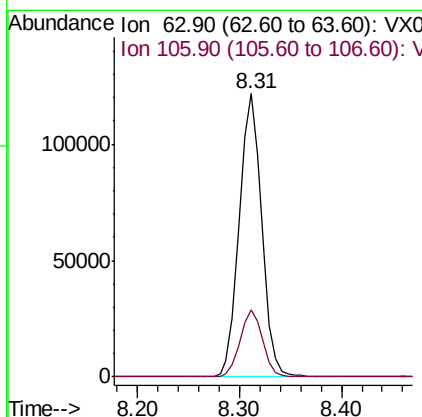
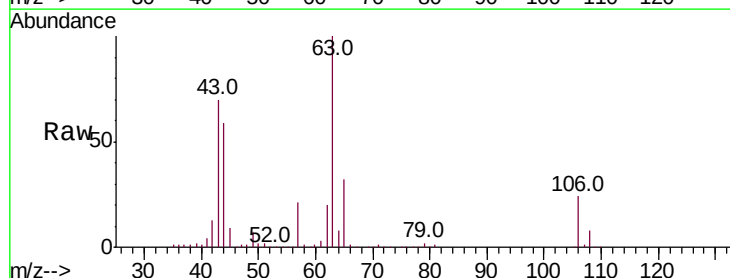
Manual Integrations
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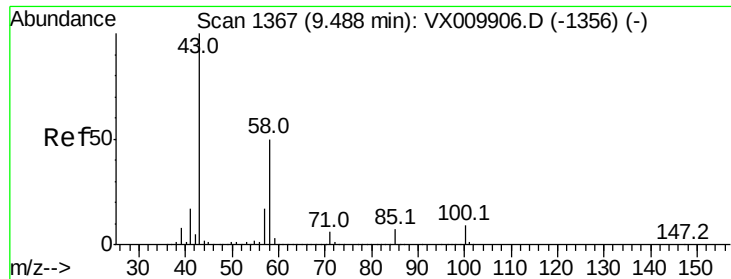
MMDadoda
 5/29/2019 9:25:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.742 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion: 63 Resp: 184877
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.4 29.2





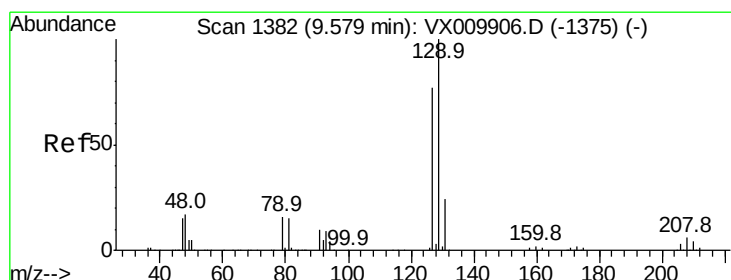
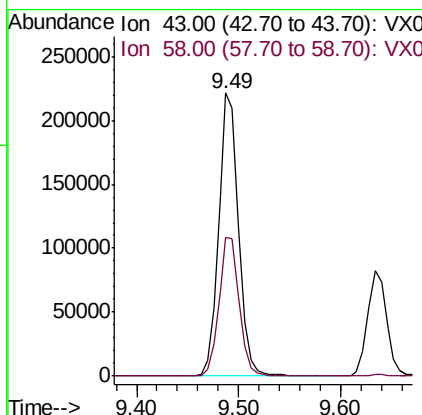
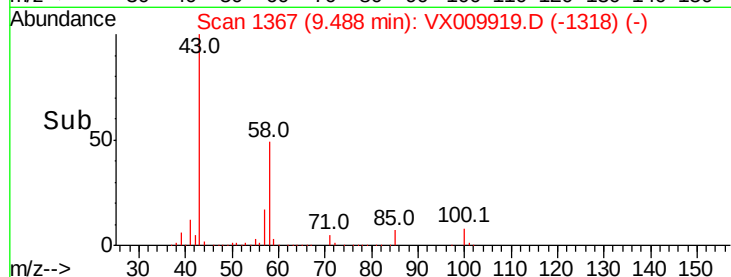
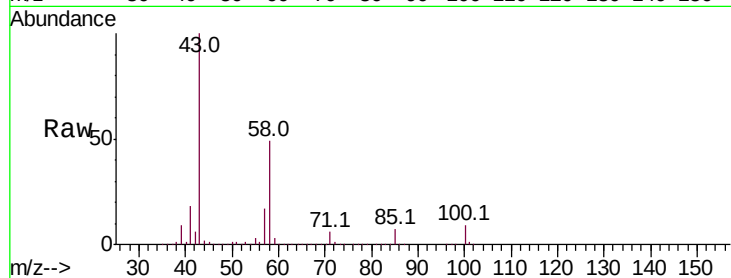
#59
2-Hexanone
Concen: 98.815 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion: 43 Resp: 301720
Ion Ratio Lower Upper
43 100
58 50.0 25.1 75.3

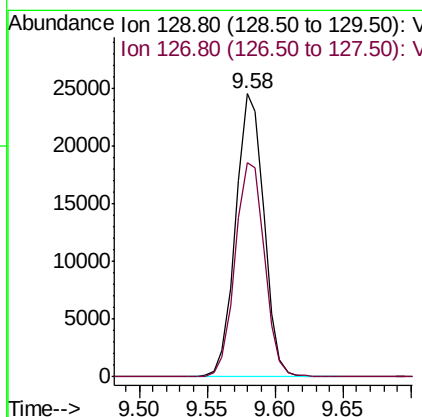
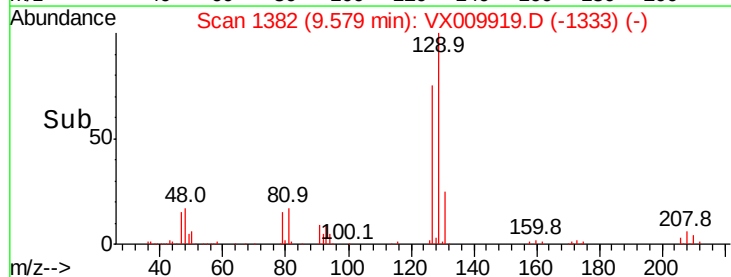
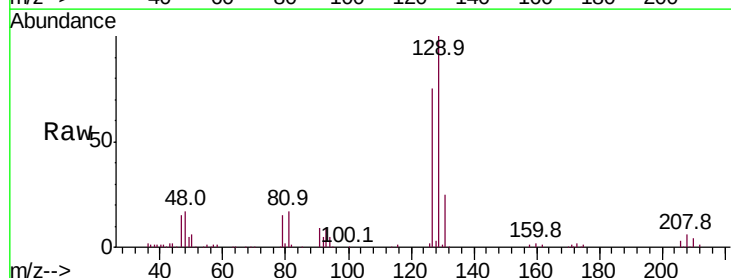
Manual Integrations
APPROVED

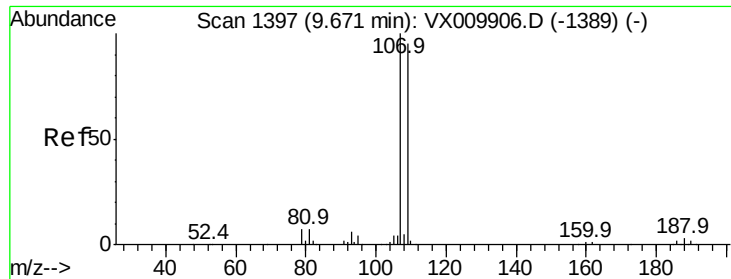
MMDadoda
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#60
Dibromochloromethane
Concen: 18.319 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion: 129 Resp: 35423
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.5





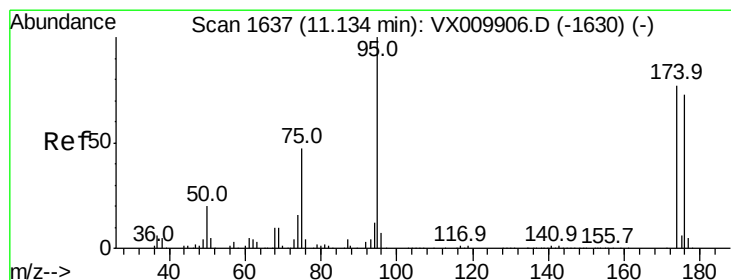
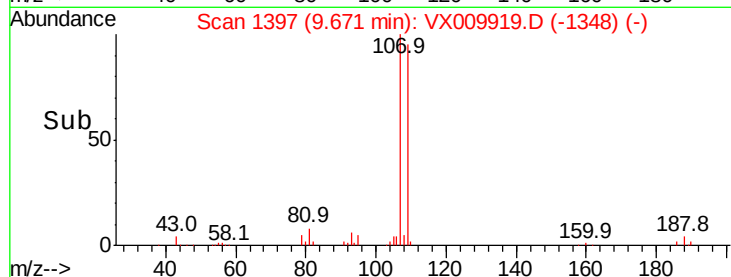
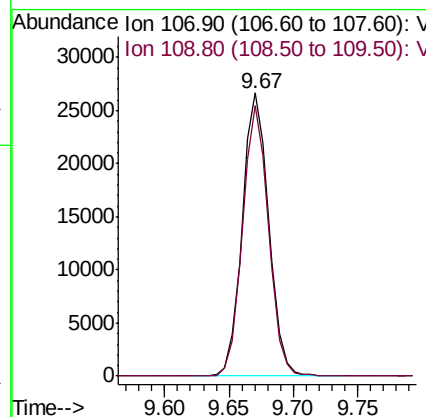
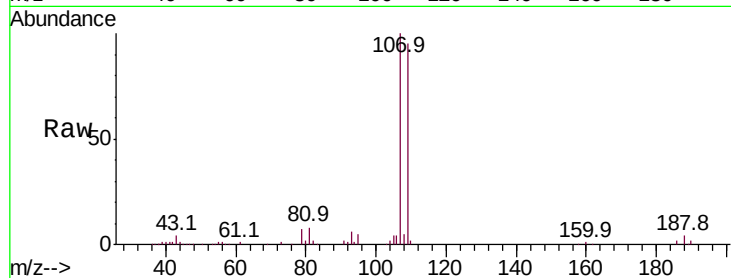
#61
 1,2-Dibromoethane
 Concen: 18.734 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion:107 Resp: 37835
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.4 113.2

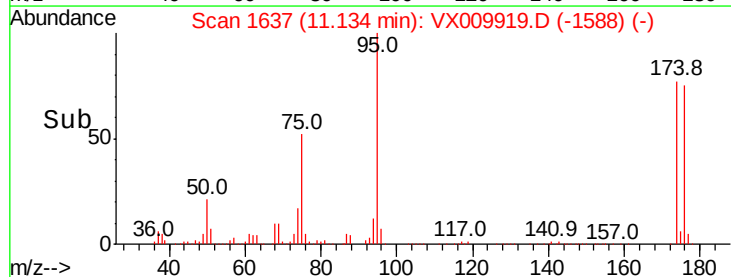
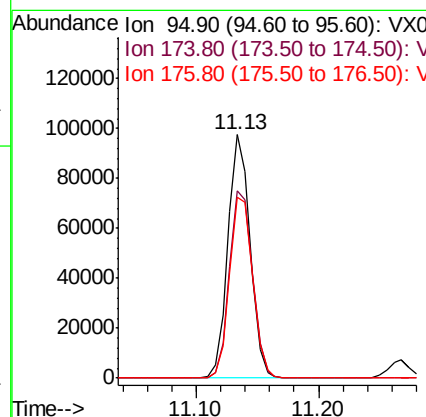
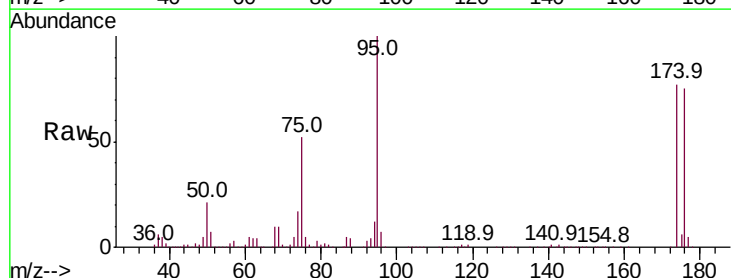
Manual Integrations
 APPROVED

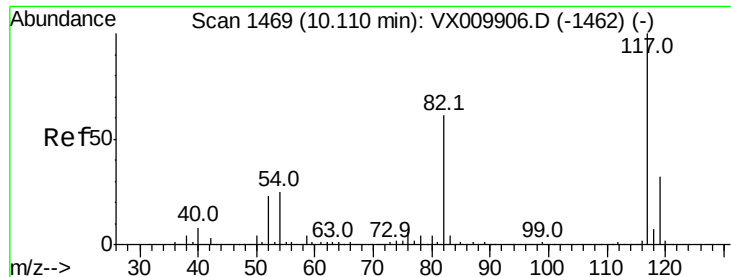
MMDadoda
 5/29/2019 9:25:21 AM



#62
 4-Bromofluorobenzene
 Concen: 49.821 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion: 95 Resp: 122101
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 160.4
 176 77.6 0.0 154.6





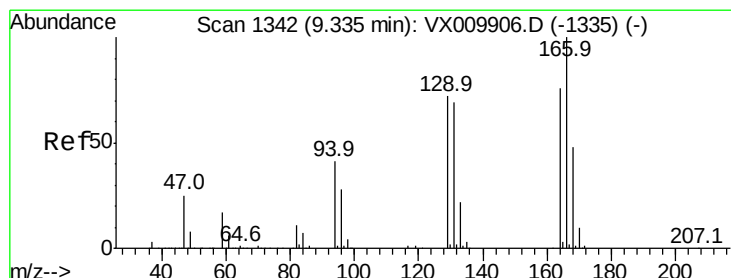
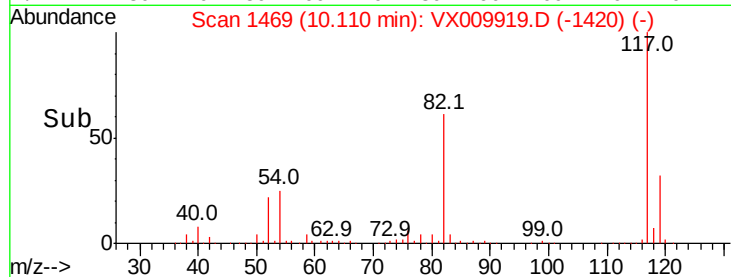
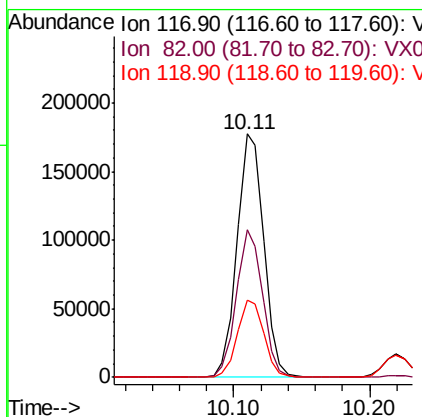
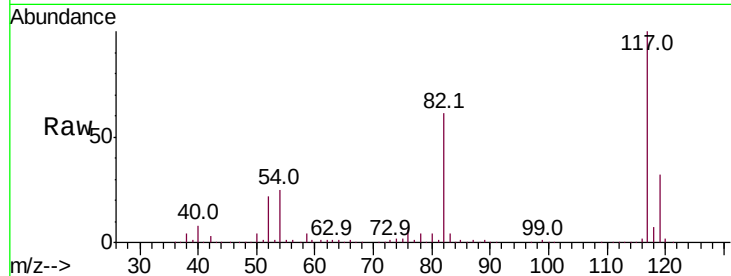
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	49.2	73.8
119	31.9	25.2	37.8

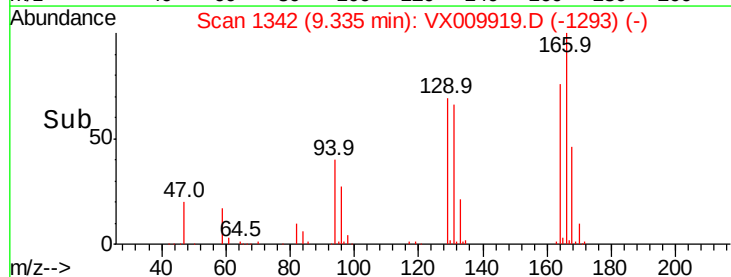
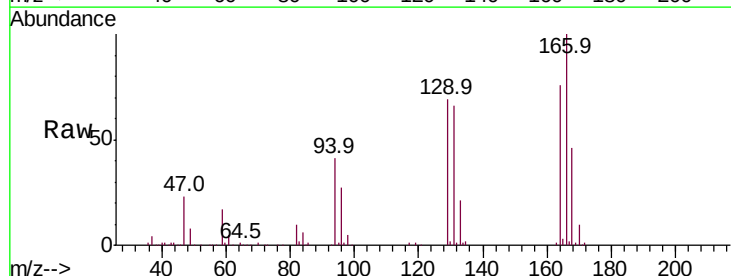
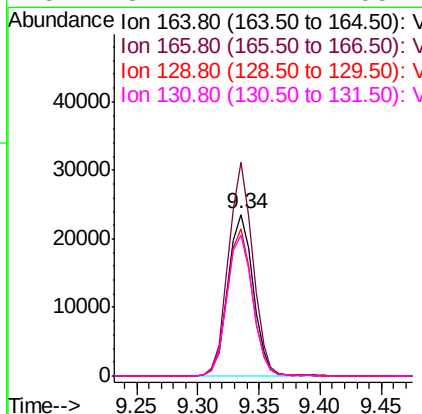
Manual Integrations
APPROVED

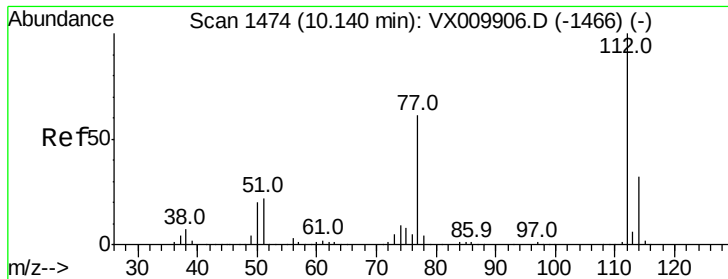
MMDadoda
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#64
Tetrachloroethene
Concen: 19.847 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	105.0	157.4
129	90.9	75.1	112.7
131	87.2	72.2	108.4





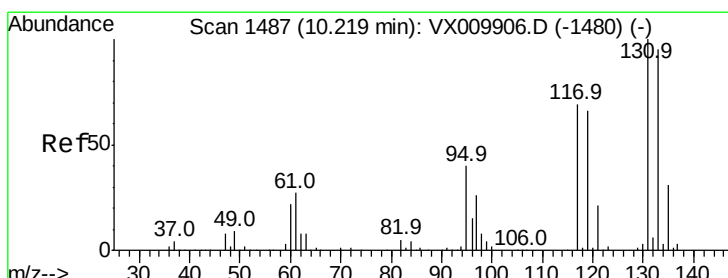
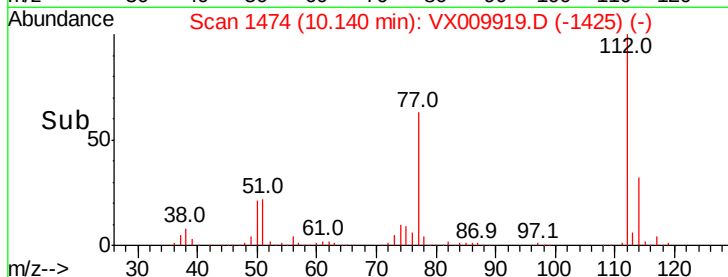
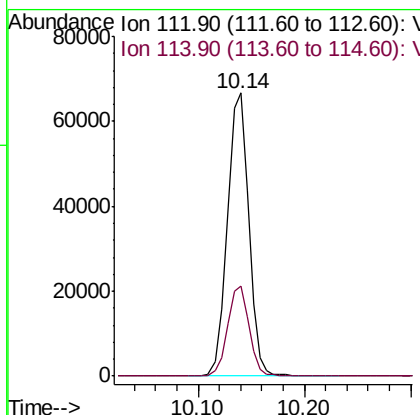
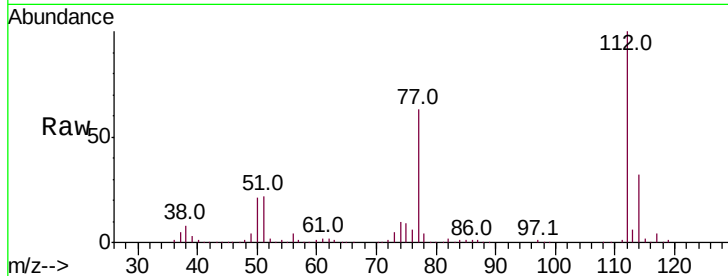
#65
Chlorobenzene
Concen: 18.530 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion:112 Resp: 94198
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8

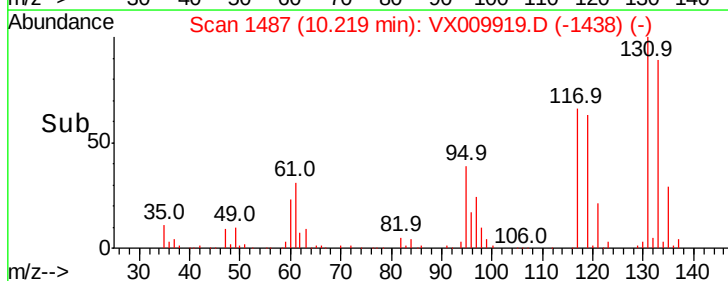
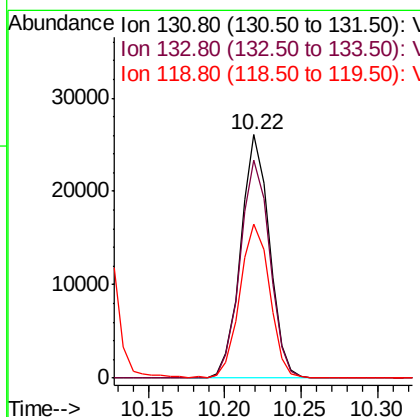
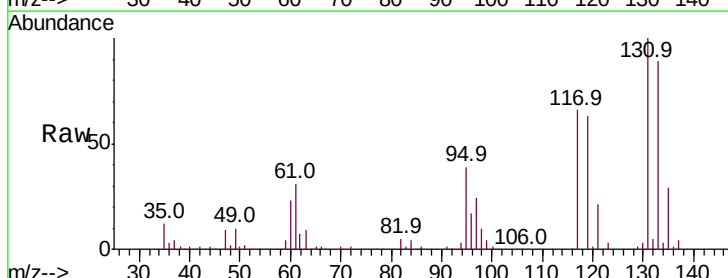
Manual Integrations
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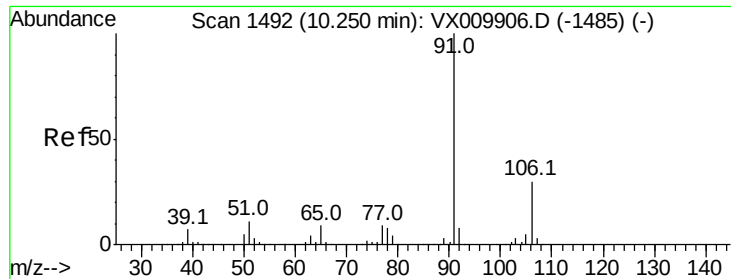
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.258 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion:131 Resp: 33955
Ion Ratio Lower Upper
131 100
133 92.6 47.5 142.6
119 66.1 33.4 100.1





#67

Ethyl Benzene

Concen: 19.230 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion: 91 Resp: 175520

Ion Ratio Lower Upper

91 100

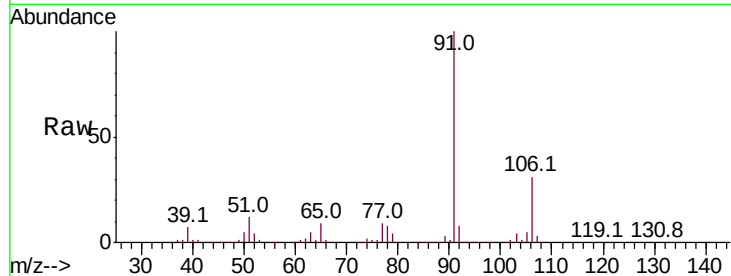
106 30.9 23.9 35.9

Manual Integrations

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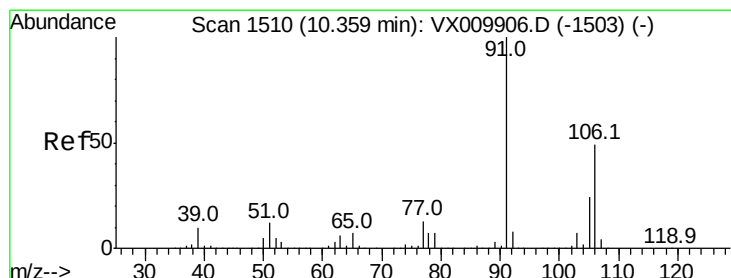
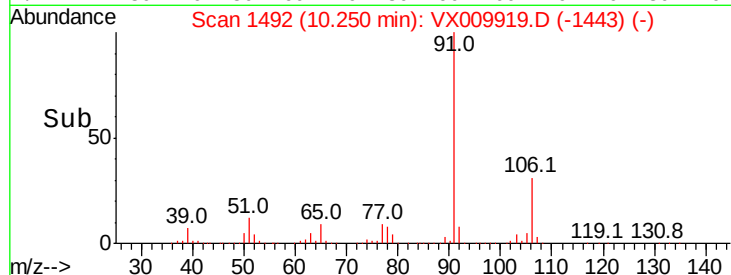
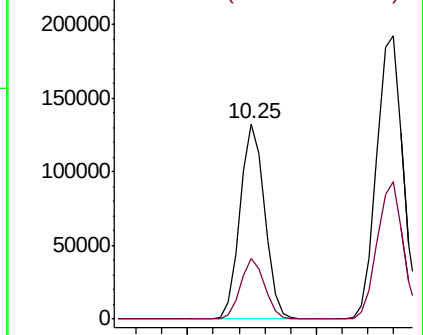
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.174 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009919.D

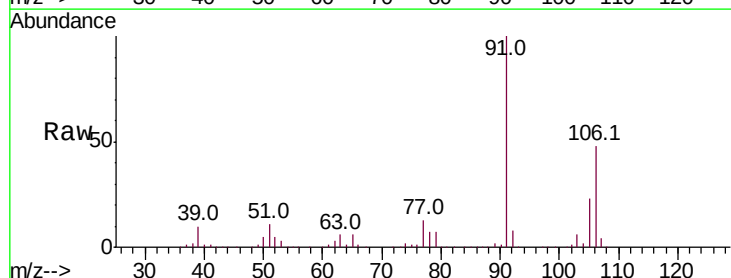
Acq: 28 May 2019 16:56

Tgt Ion:106 Resp: 128722

Ion Ratio Lower Upper

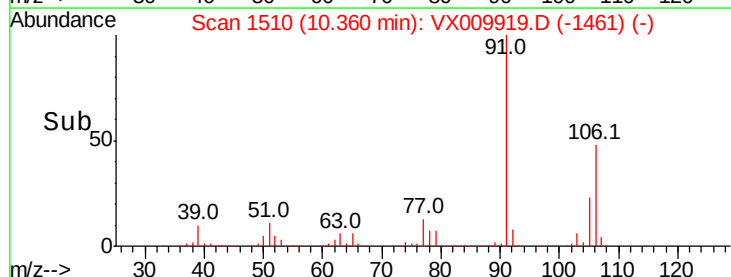
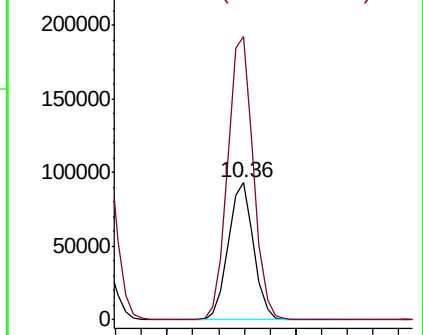
106 100

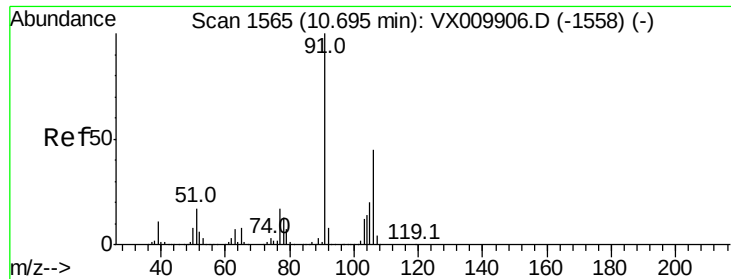
91 209.1 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





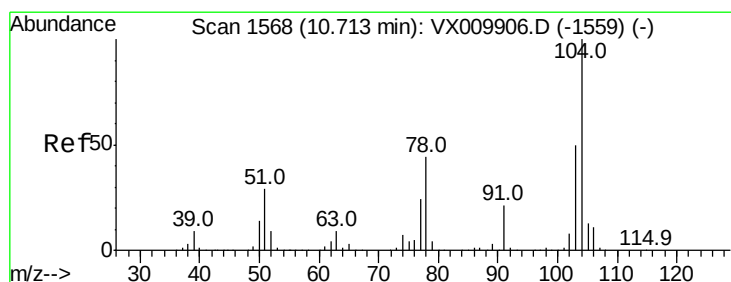
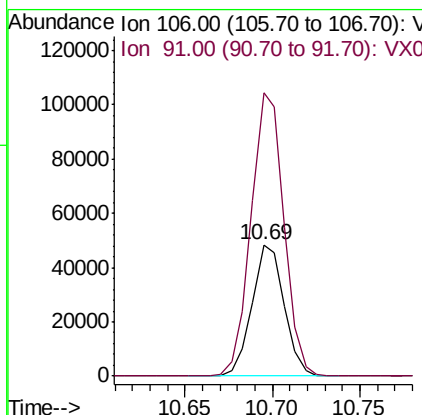
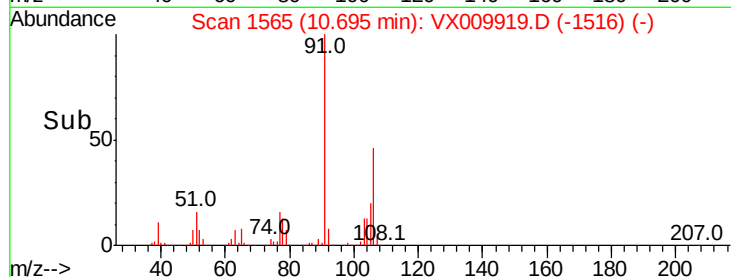
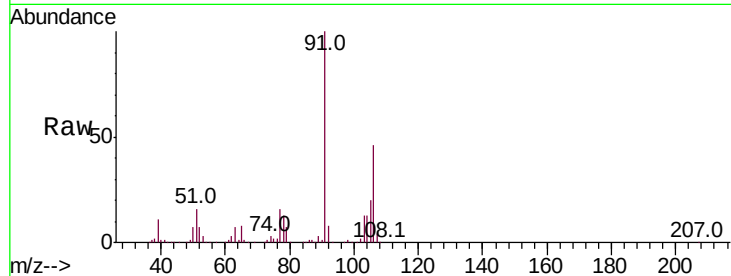
#69
o-Xylene
Concen: 19.390 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion:106 Resp: 62705
Ion Ratio Lower Upper
106 100
91 219.5 110.4 331.2

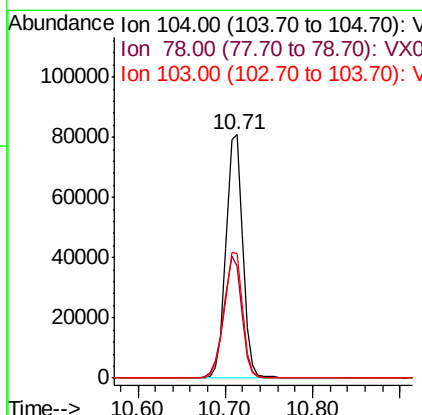
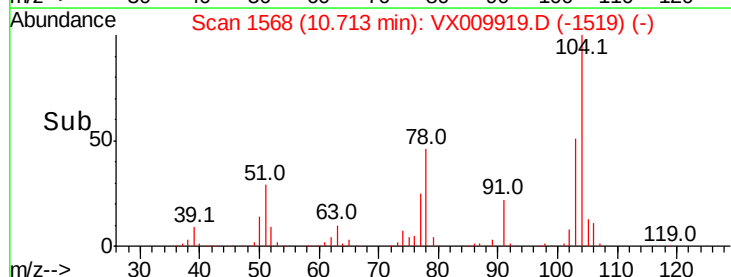
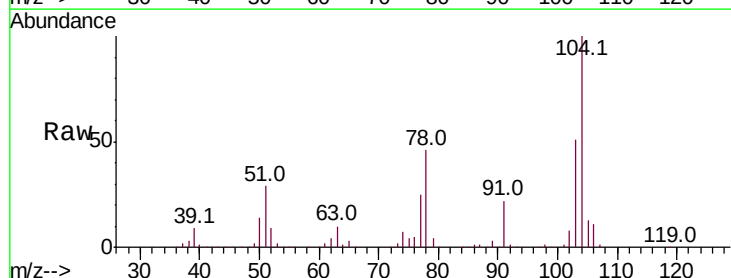
Manual Integrations
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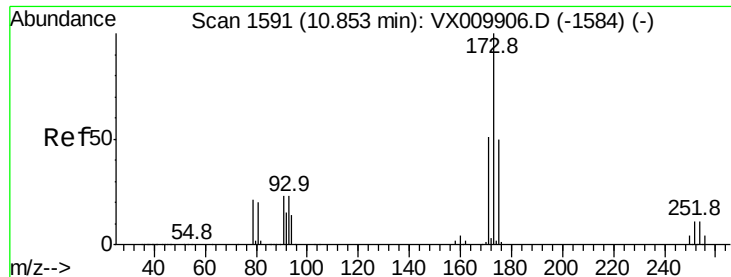
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#70
Styrene
Concen: 18.985 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion:104 Resp: 107655
Ion Ratio Lower Upper
104 100
78 53.6 42.1 63.1
103 56.3 44.1 66.1





#71

Bromoform

Concen: 18.393 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion:173 Resp: 26509

Ion Ratio Lower Upper

173 100

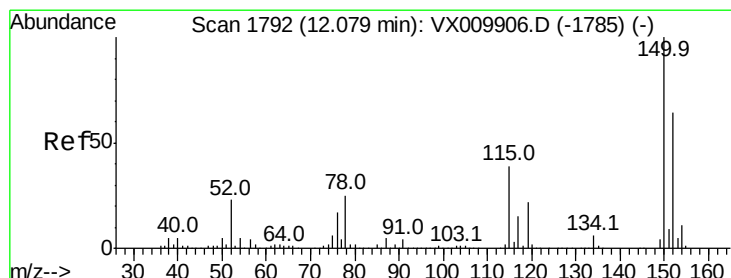
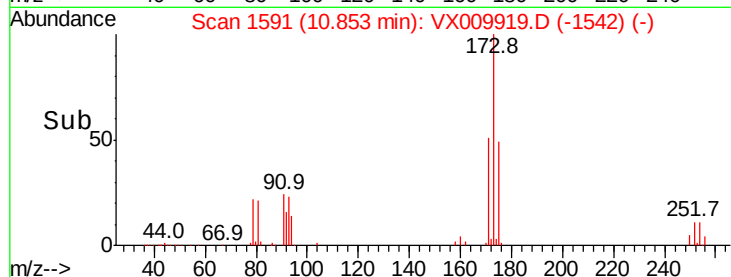
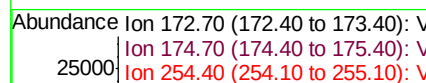
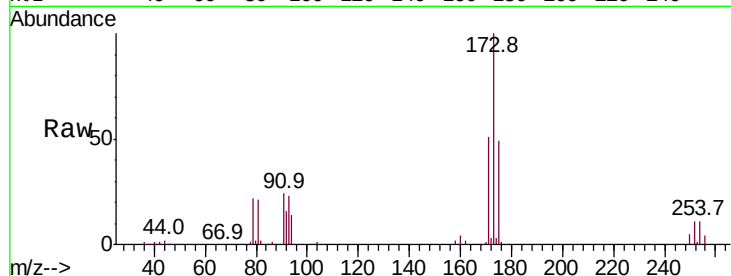
175 48.7 25.0 75.0

254 0.1 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

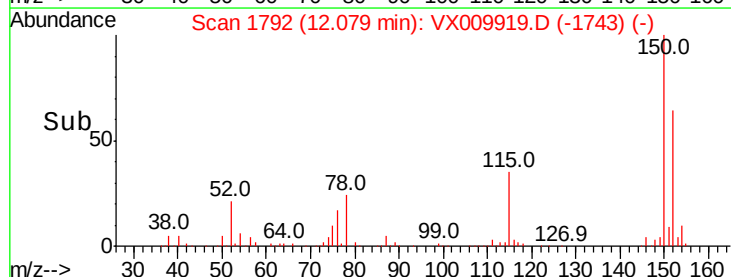
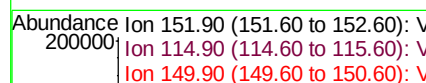
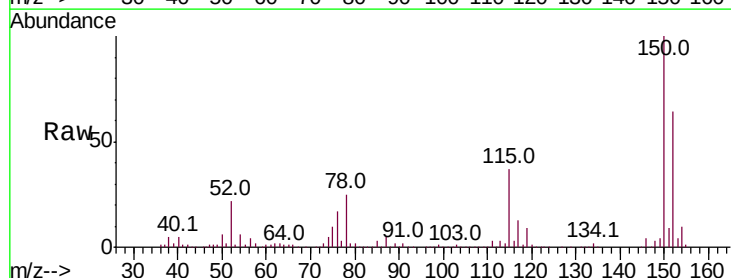
Tgt Ion:152 Resp: 116688

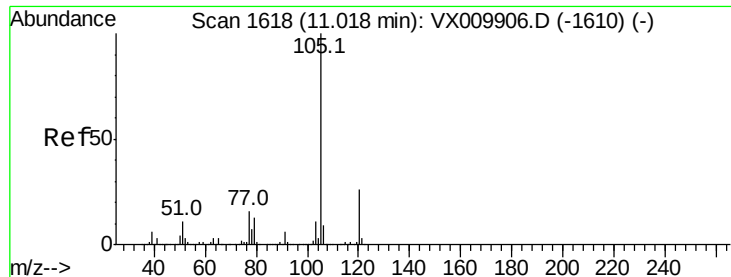
Ion Ratio Lower Upper

152 100

115 67.6 41.4 124.2

150 162.2 0.0 345.2





#73

Isopropylbenzene

Concen: 19.295 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion:105 Resp: 166117

Ion Ratio Lower Upper

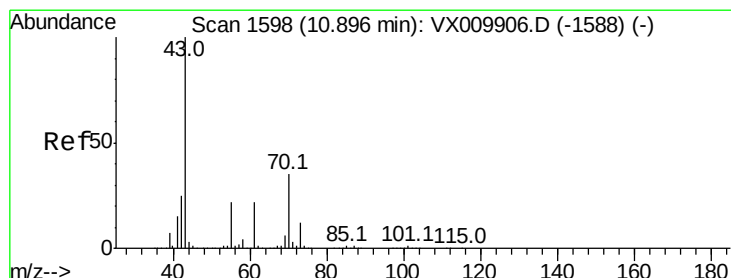
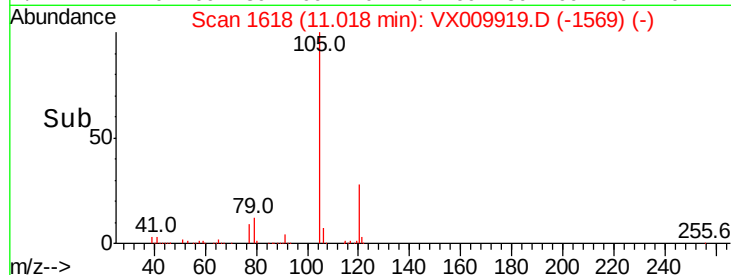
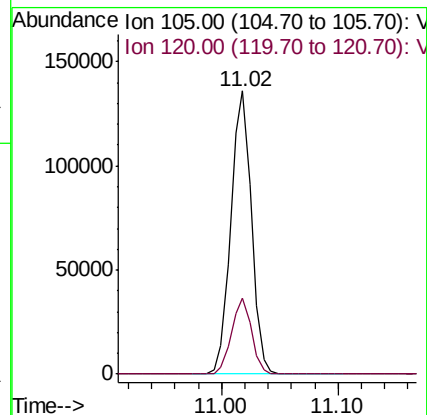
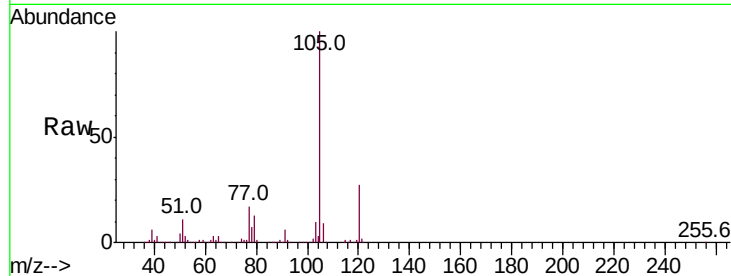
105 100

120 26.4 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.548 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion: 43 Resp: 100565

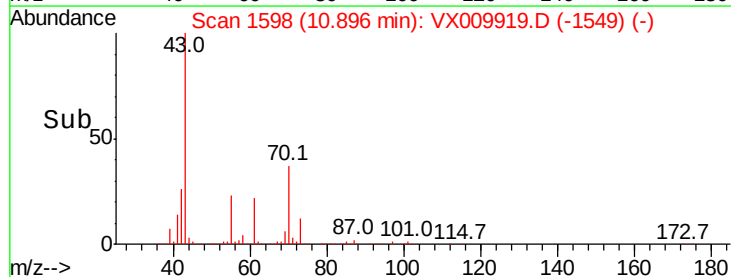
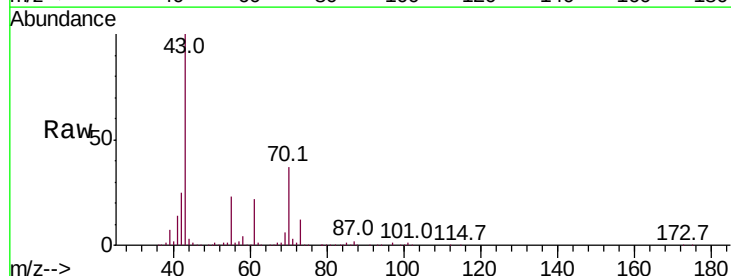
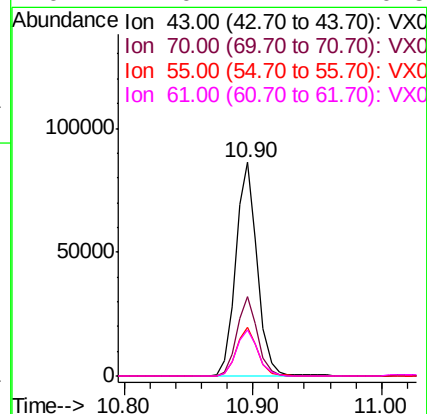
Ion Ratio Lower Upper

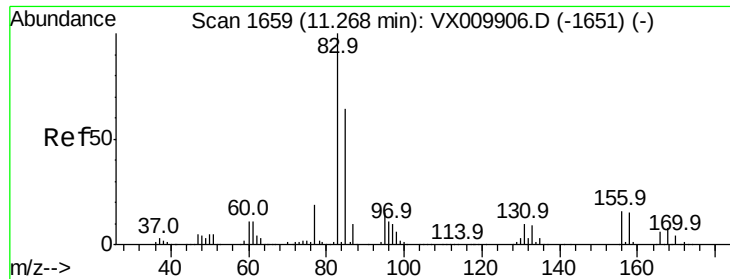
43 100

70 35.8 28.6 43.0

55 22.8 17.8 26.8

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.290 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion: 83 Resp: 61959

Ion Ratio Lower Upper

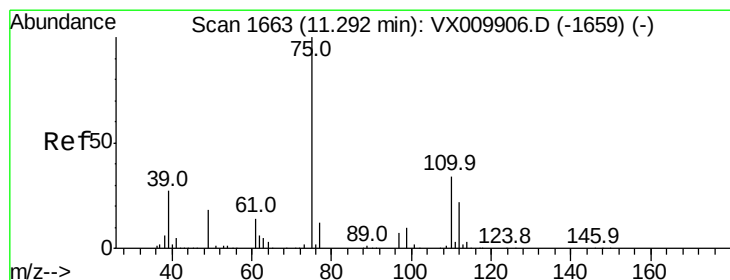
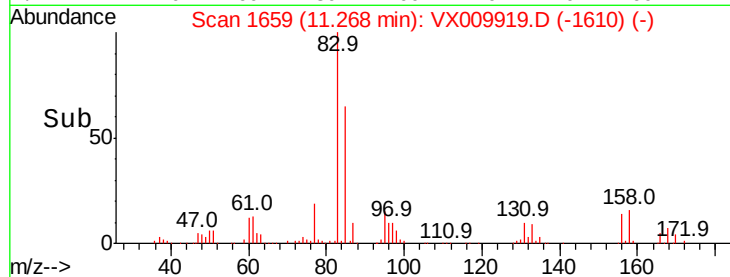
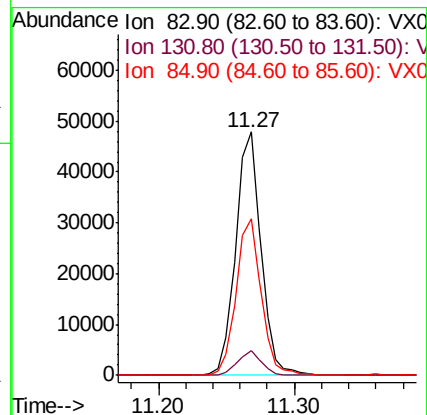
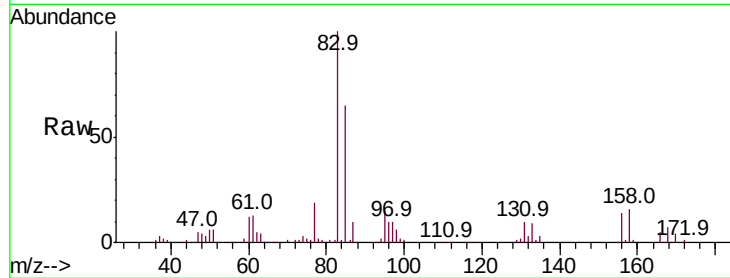
83 100

131 9.5 4.7 14.1

85 63.6 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.449 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009919.D

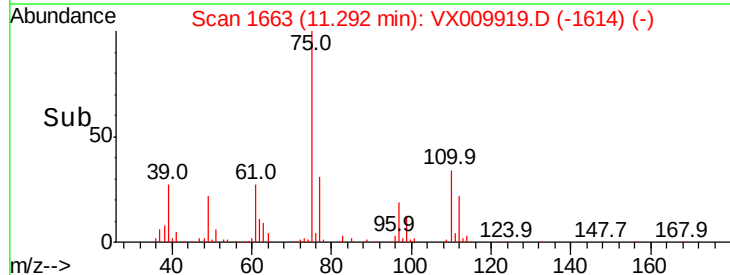
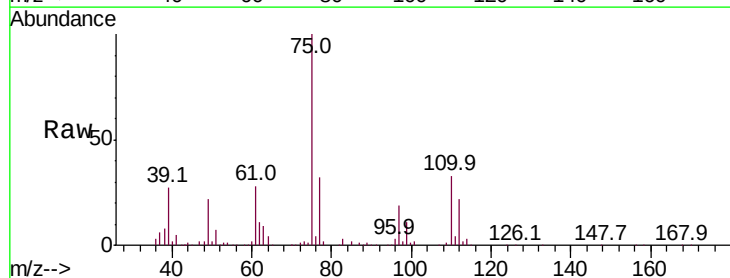
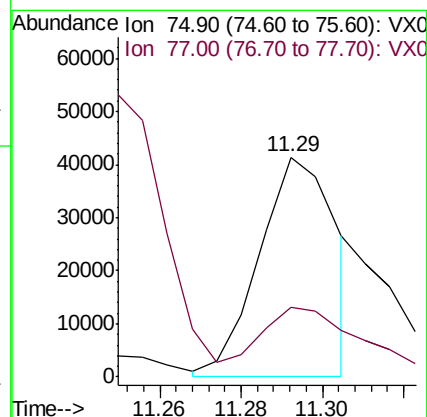
Acq: 28 May 2019 16:56

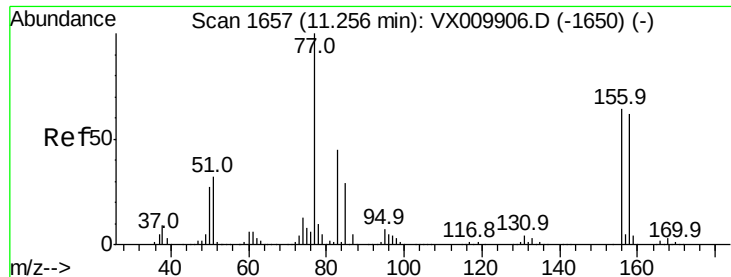
Tgt Ion: 75 Resp: 54269

Ion Ratio Lower Upper

75 100

77 42.8 22.1 66.1





#77

Bromobenzene

Concen: 18.547 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion:156 Resp: 40694

Ion Ratio Lower Upper

156 100

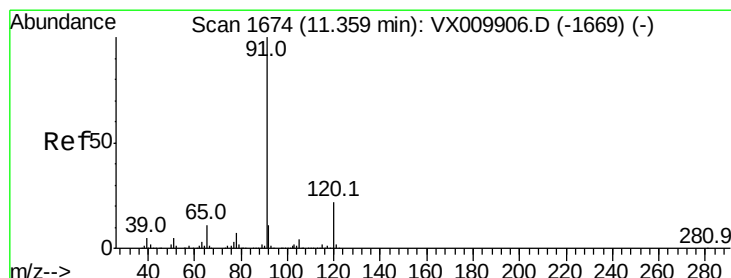
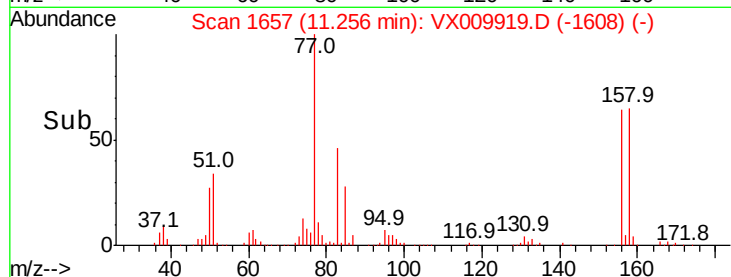
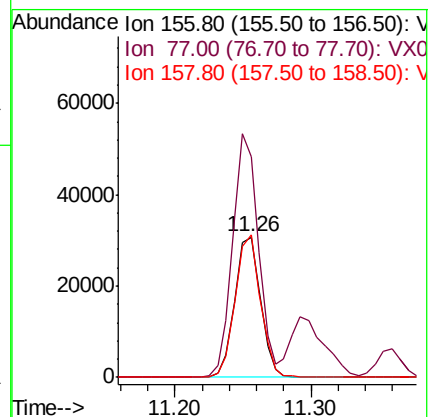
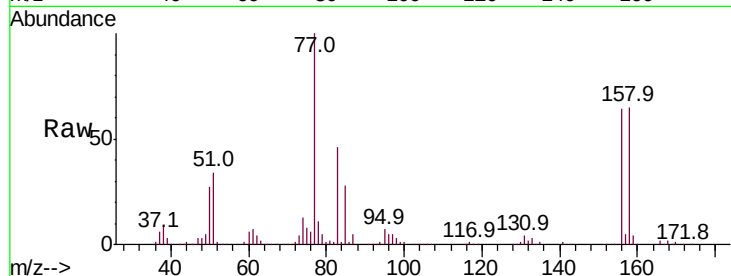
77 171.8 86.8 260.3

158 99.2 49.6 148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.410 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009919.D

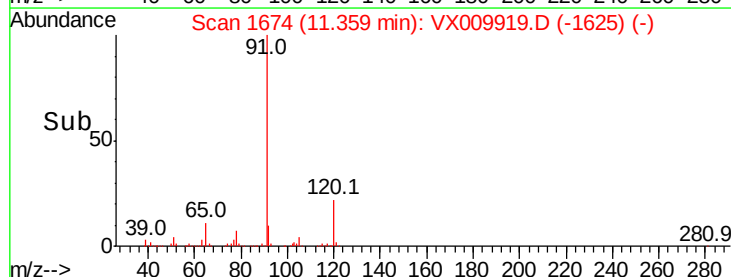
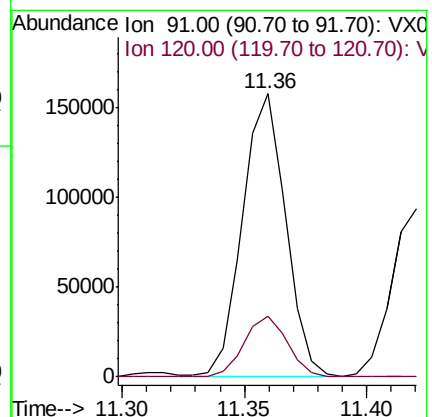
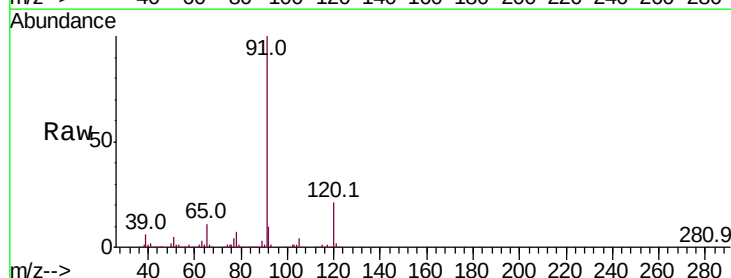
Acq: 28 May 2019 16:56

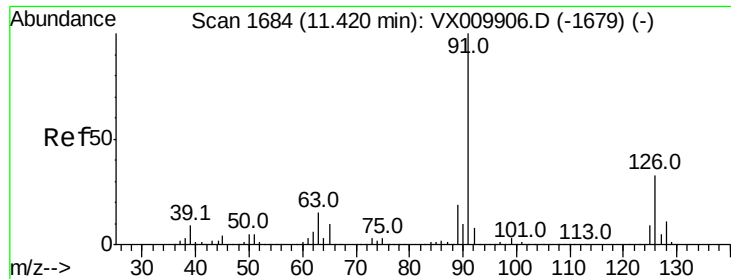
Tgt Ion: 91 Resp: 192625

Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.3





#79

2-Chlorotoluene

Concen: 19.075 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampled :

VX0528WBSD01

Tot Ion: 91 Resp: 115657

Ion Ratio Lower Upper

91 100

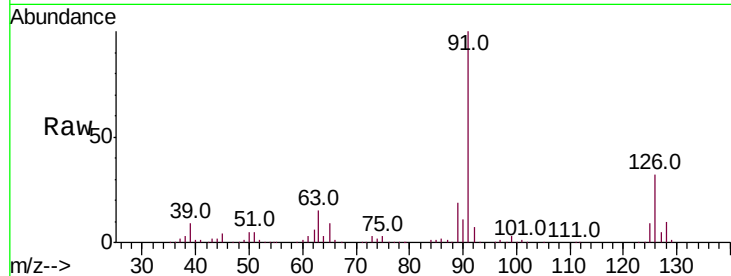
126 32.5 16.1 48.3

Manual Integrations

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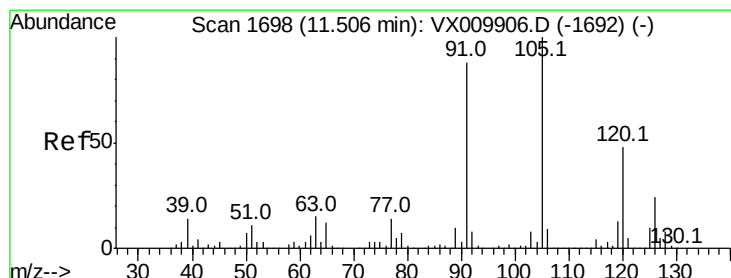
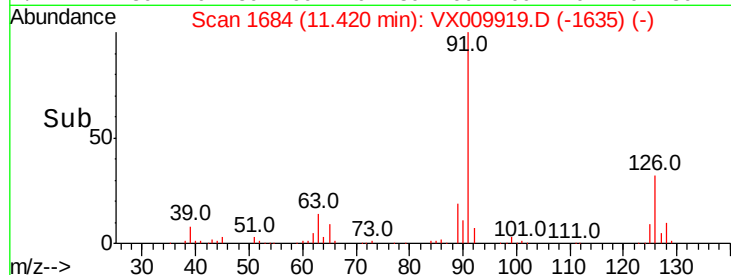
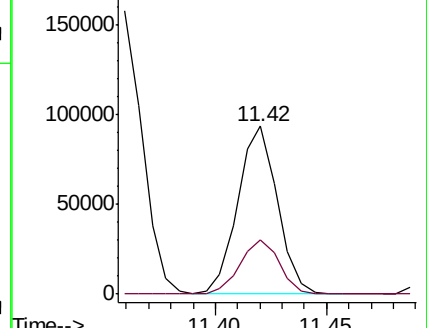
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Abundance Ion 91.00 (90.70 to 91.70): VX009919.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009919.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.574 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009919.D

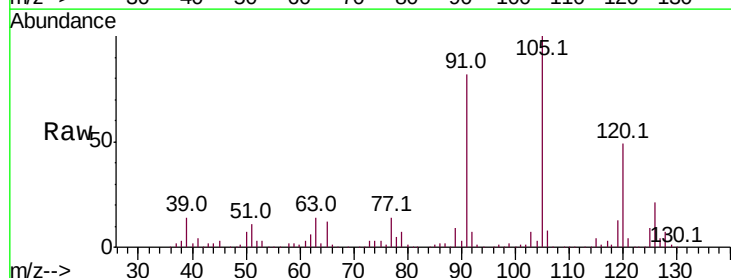
Acq: 28 May 2019 16:56

Tgt Ion: 105 Resp: 141970

Ion Ratio Lower Upper

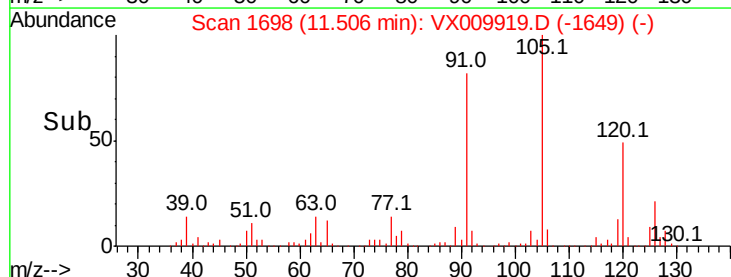
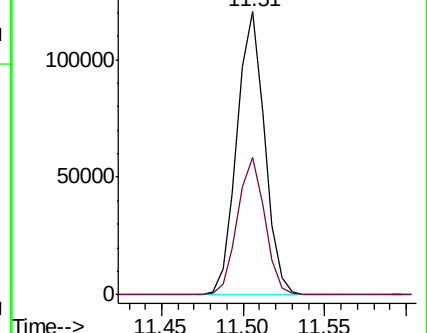
105 100

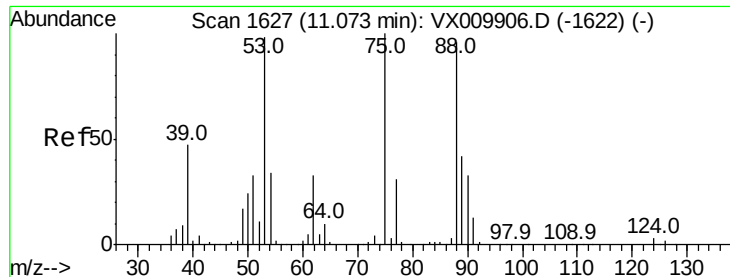
120 48.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX009919.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009919.D (-1649) (-)





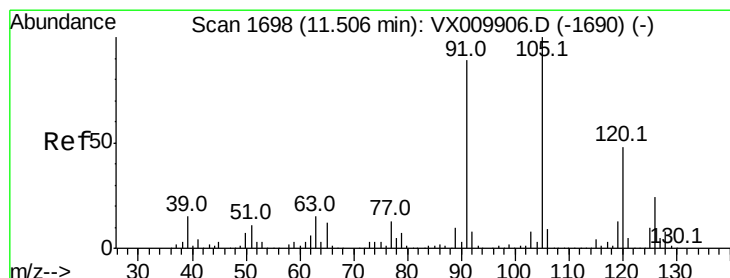
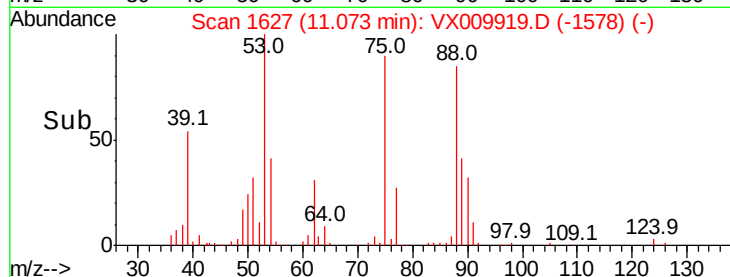
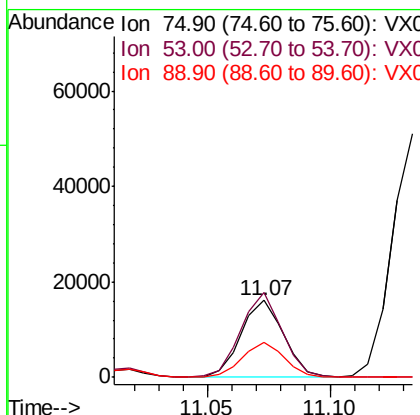
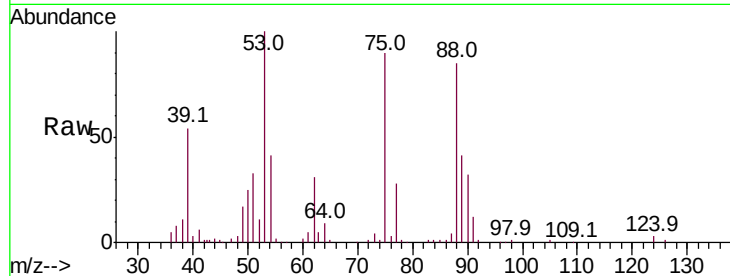
#81
trans-1,4-Dichloro-2-butene
Concen: 17.193 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.0	79.8	119.6
89	45.6	34.2	51.4

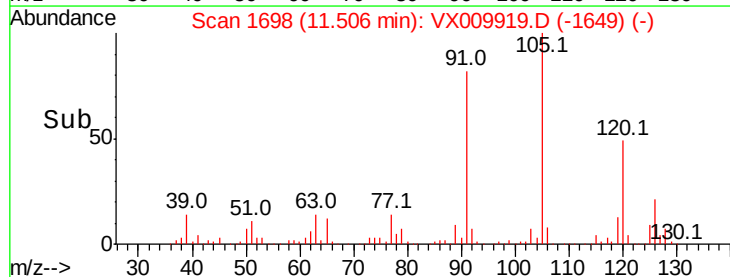
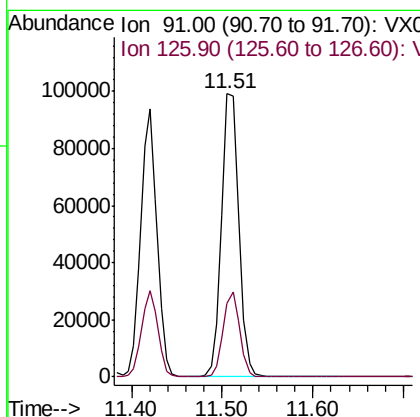
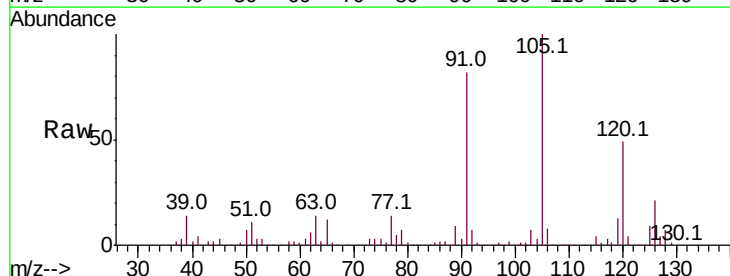
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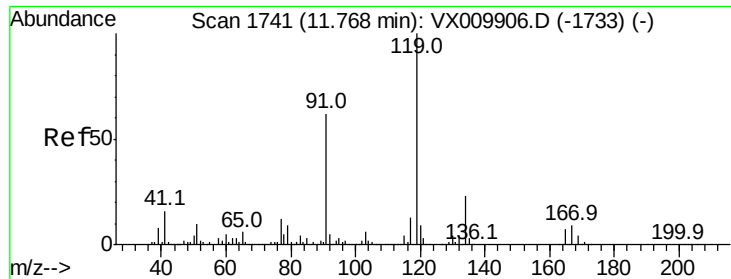
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.808 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6





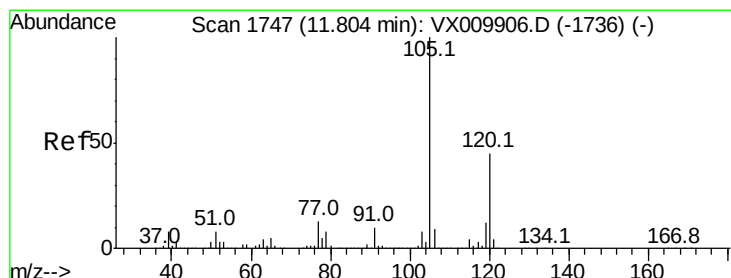
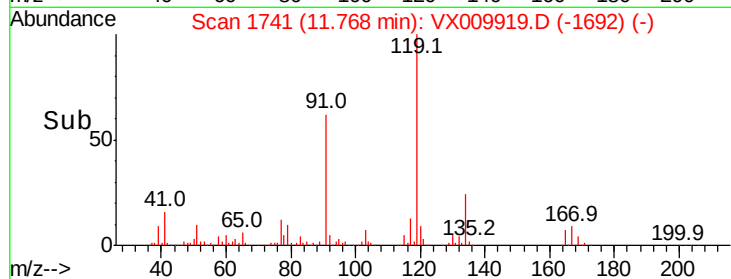
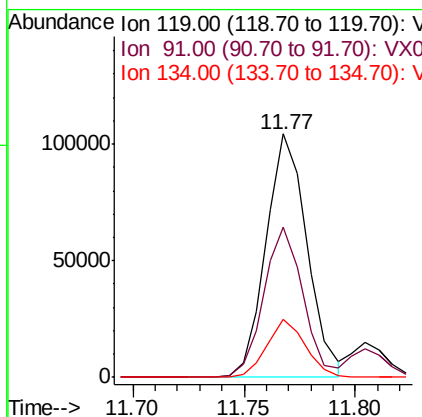
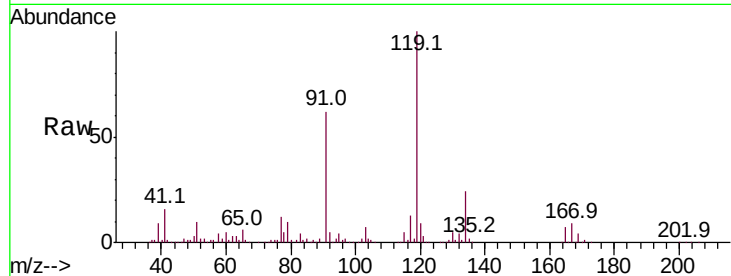
#83
tert-Butylbenzene
Concen: 19.286 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	133827		
91	59.4	30.0	90.0	
134	22.3	11.2	33.5	

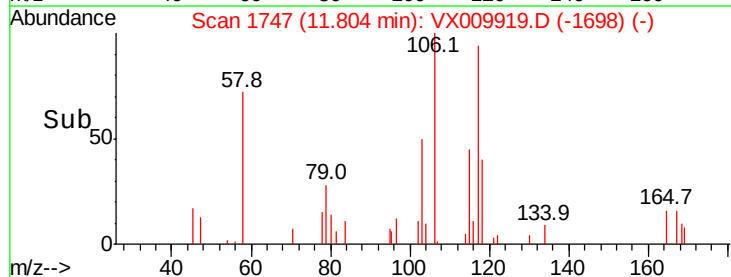
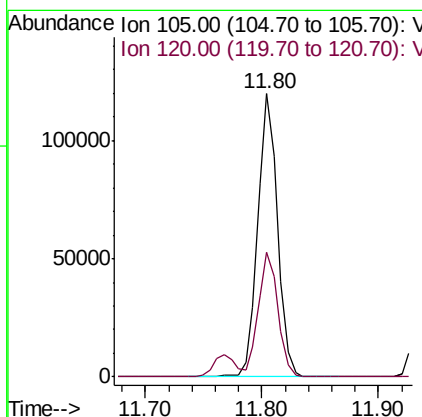
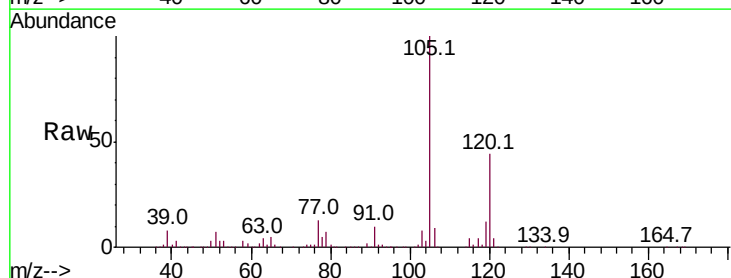
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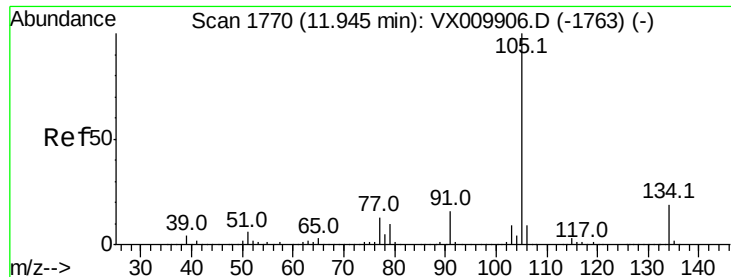
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.255 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	141829		
120	43.4	22.1	66.1	





#85

sec-Butylbenzene

Concen: 19.295 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBSD01

Tot Ion:105 Resp: 159291

Ion Ratio Lower Upper

105 100

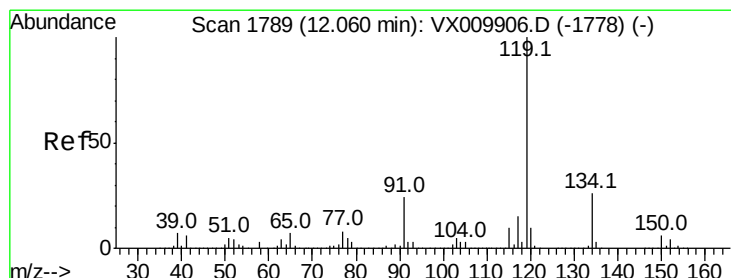
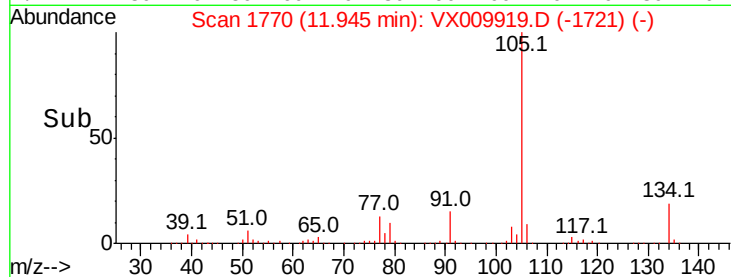
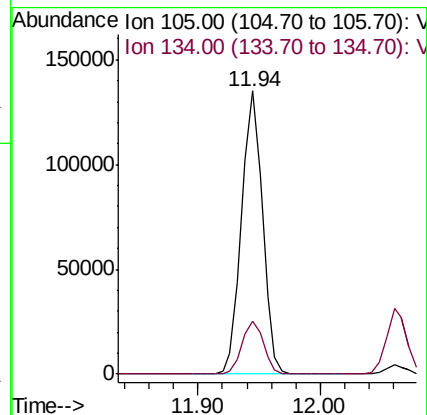
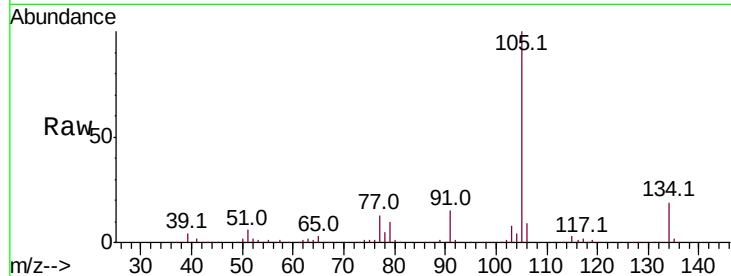
134 19.3 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.443 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

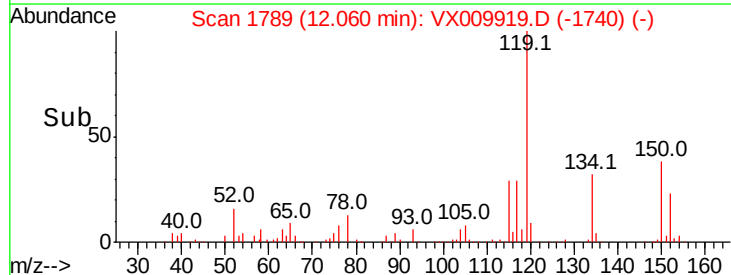
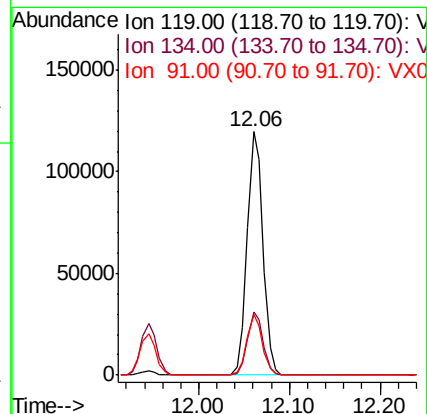
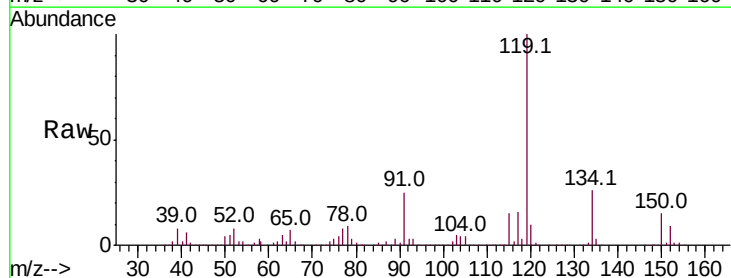
Tgt Ion:119 Resp: 144370

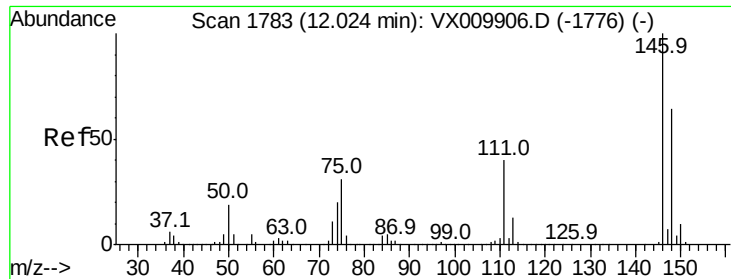
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 24.2 11.9 35.9





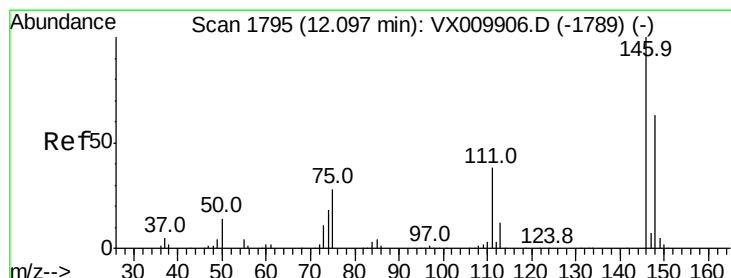
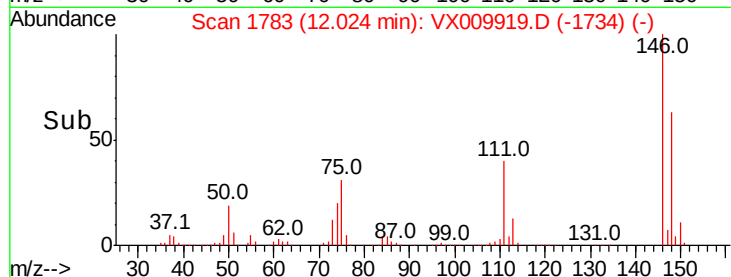
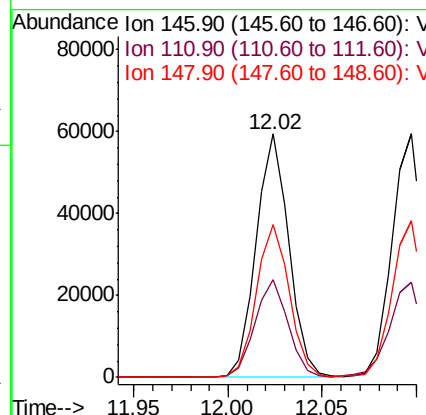
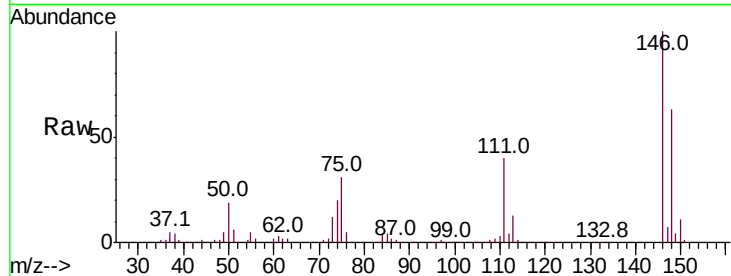
#87
 1,3-Dichlorobenzene
 Concen: 18.285 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.2
148	63.1	31.9	95.5

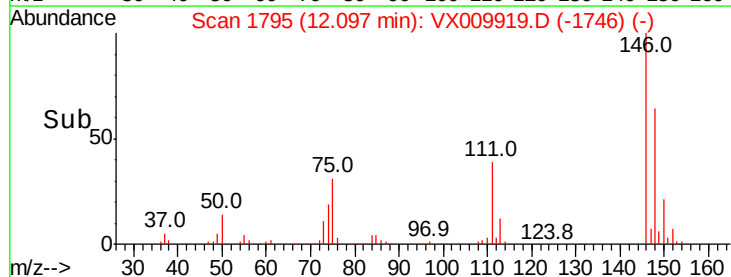
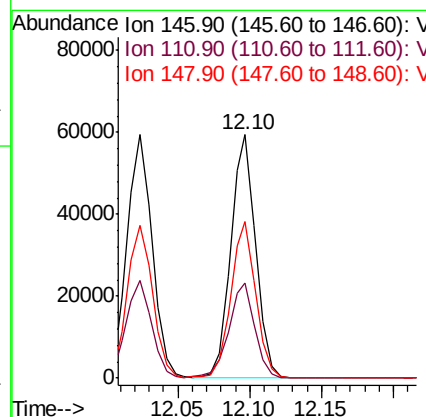
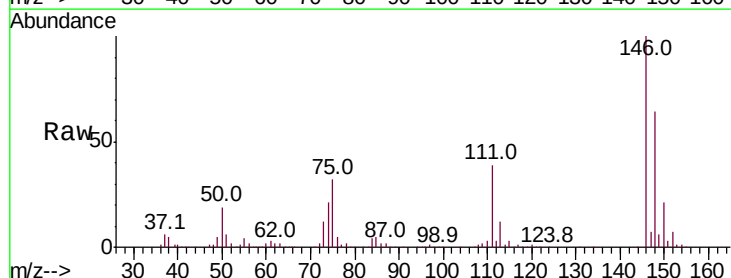
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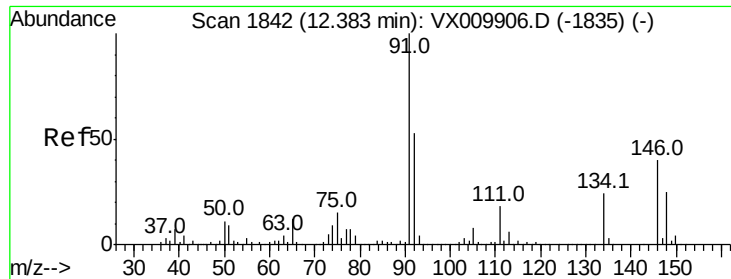
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#88
 1,4-Dichlorobenzene
 Concen: 18.172 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	59.9
148	64.5	32.3	96.9





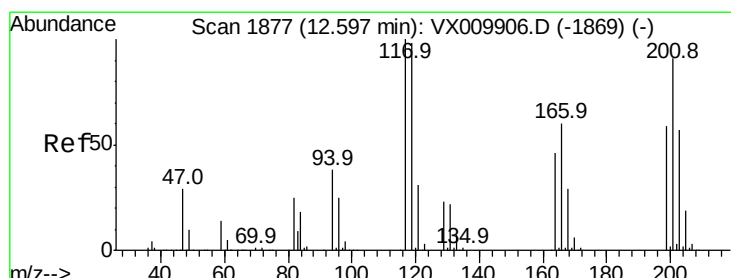
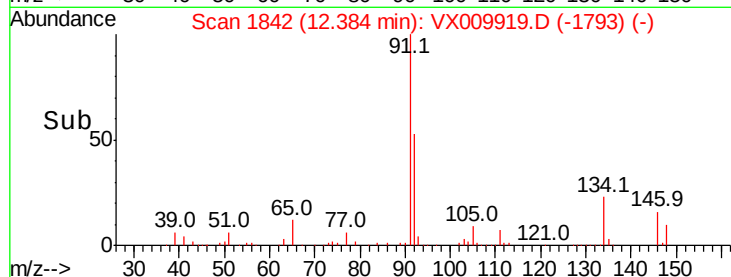
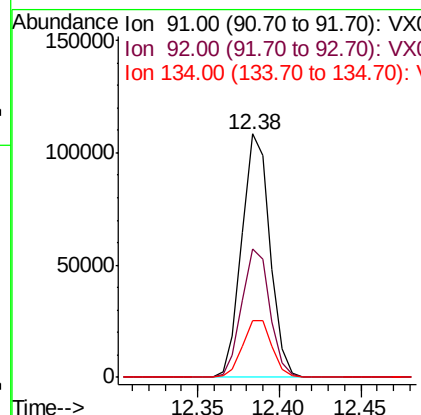
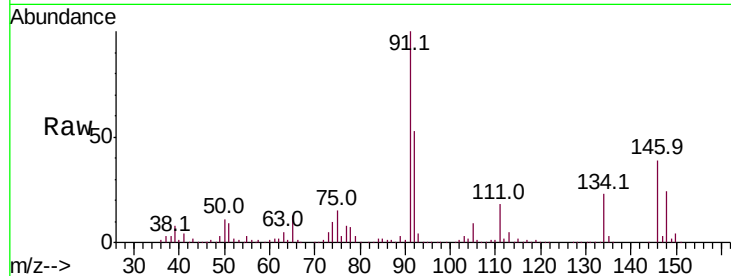
#89
n-Butylbenzene
Concen: 18.749 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	130837		
92	52.9	26.3	78.8	
134	24.4	12.3	36.8	

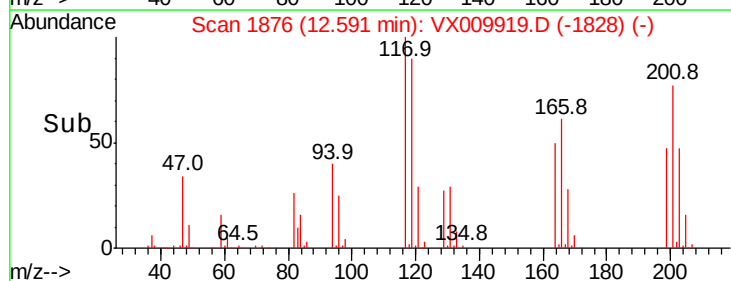
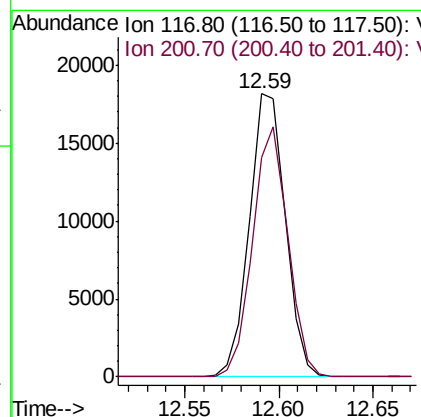
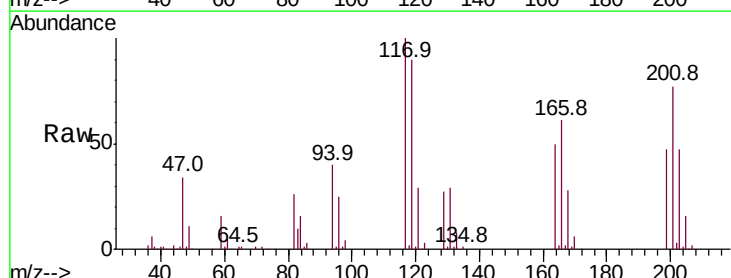
Manual Integrations
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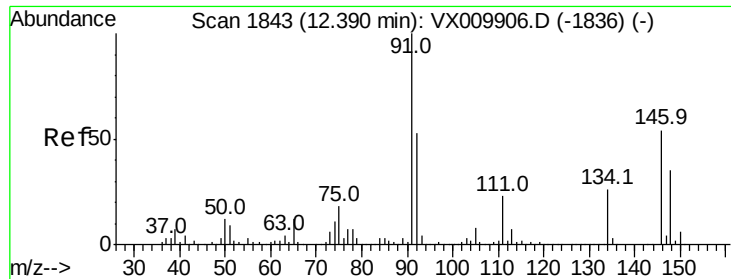
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#90
Hexachloroethane
Concen: 18.926 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009919.D
Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24117		
201	86.0	43.6	130.9	





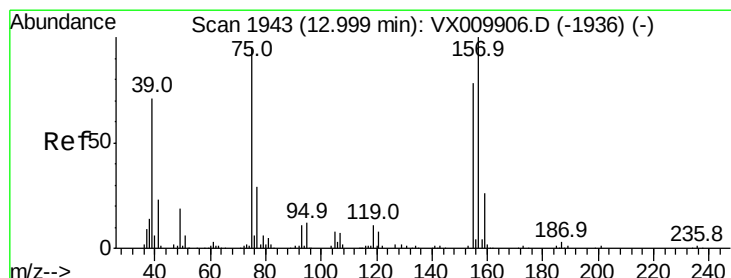
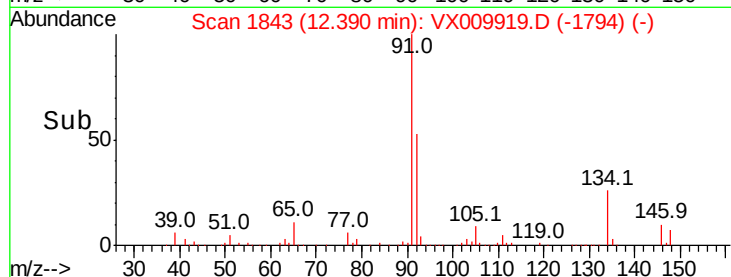
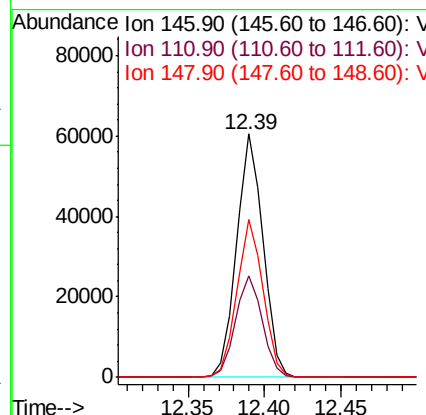
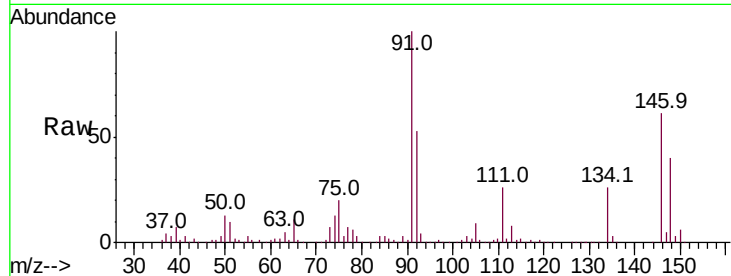
#91
 1,2-Dichlorobenzene
 Concen: 18.851 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.1
148	64.1	32.3	96.8

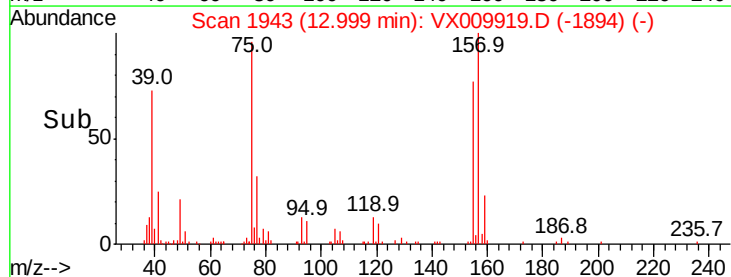
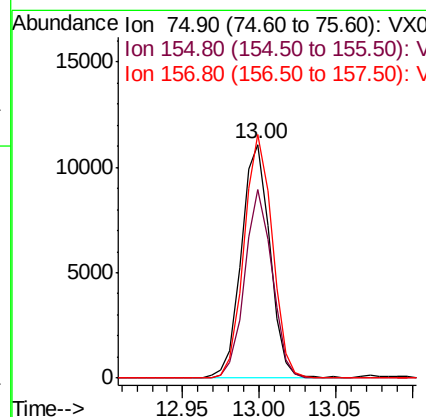
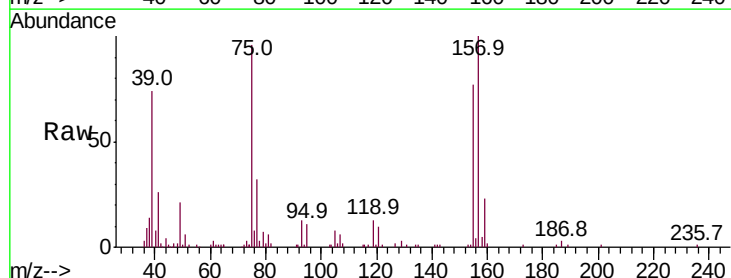
Manual Integrations
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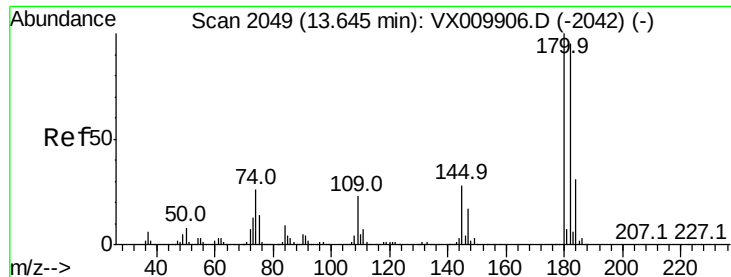
MMDadoda
 5/29/2019 9:25:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.979 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009919.D
 Acq: 28 May 2019 16:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	39.3	117.8
157	102.8	50.6	151.8





#93

1,2,4-Trichlorobenzene

Concen: 18.177 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

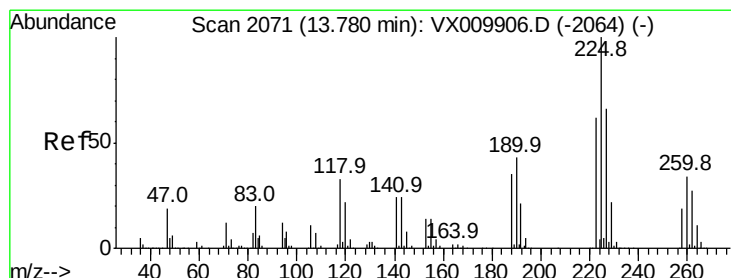
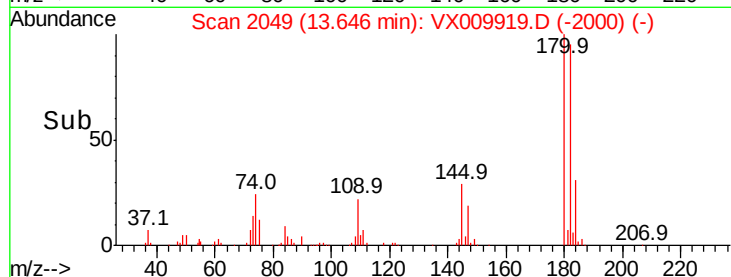
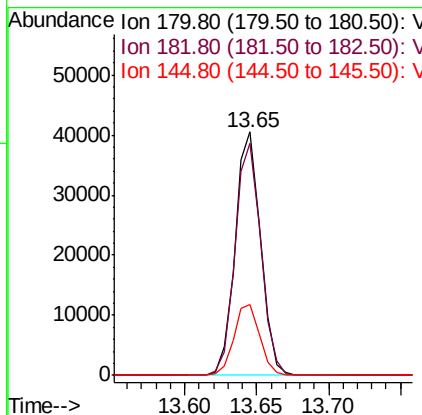
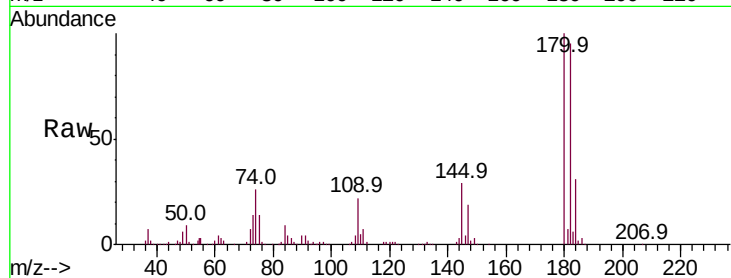
ClientSampleId :

VX0528WBSD01

Tot Ion:	180	Resp:	50027
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.4	142.2
145	29.5	14.5	43.5

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:25:21 AM



#94

Hexachlorobutadiene

Concen: 19.066 ug/l

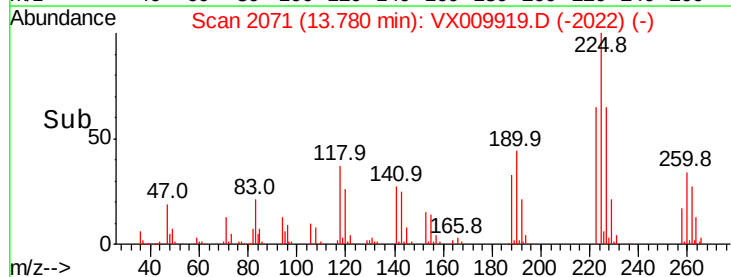
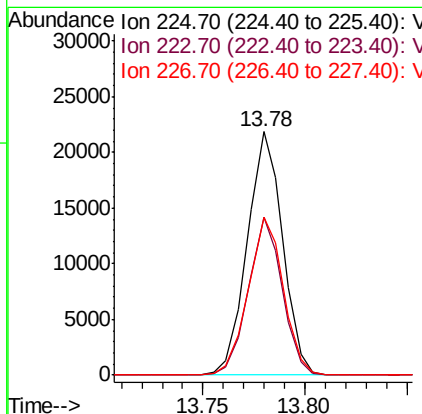
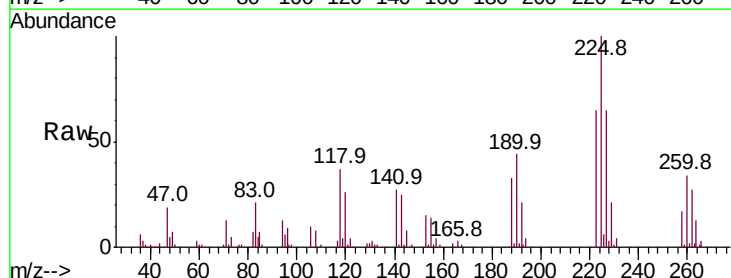
RT: 13.78 min Scan# 2071

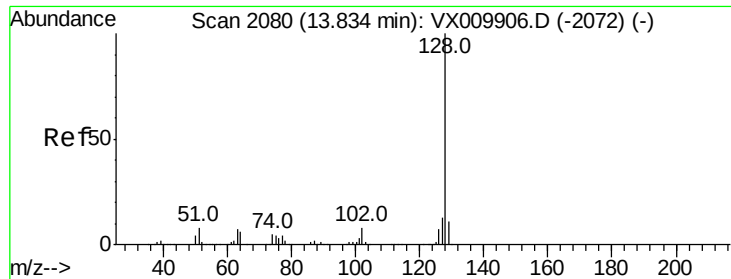
Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion:	225	Resp:	26319
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.3	93.8
227	64.4	32.3	96.8





#95

Naphthalene

Concen: 19.016 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Instrument :

MSVOA_X

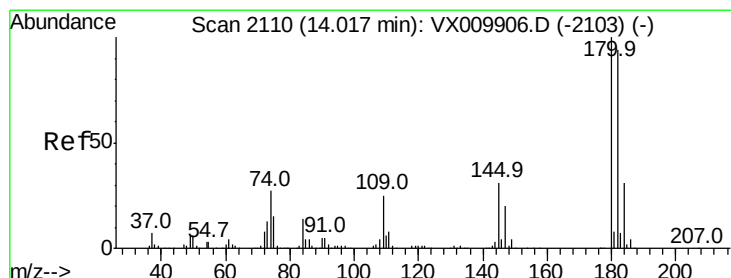
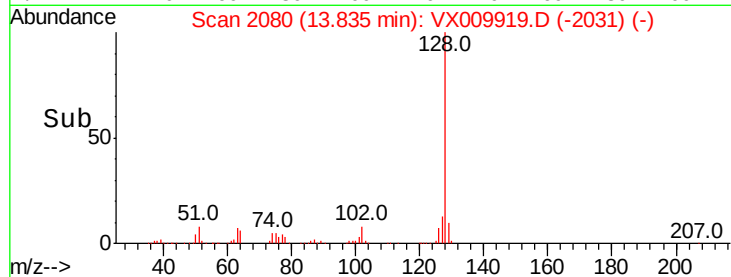
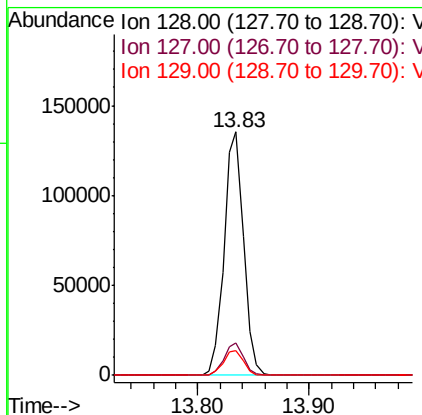
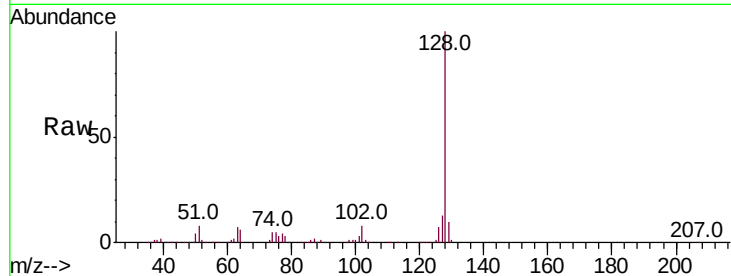
ClientSampleId :

VX0528WBSD01

Tot Ion:	128	Resp:	162864
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:25:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.418 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009919.D

Acq: 28 May 2019 16:56

Tgt Ion:	180	Resp:	50739
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	142.0
145	31.2	15.6	46.7

