

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008513.D
 Acq On : 28 Mar 2019 12:44
 Operator : JC/SP
 Sample : VX0328MBS01
 Misc : 5.0uL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 10:51:41 AM

Quant Time: Mar 29 02:07:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	186986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	286583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	140123	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	5.49	113	103347	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	8.71	98	417355	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	154240	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	39553	17.945	ug/l 97
3) Chloromethane	1.32	50	57589	20.322	ug/l 99
4) Vinyl Chloride	1.40	62	54994	17.870	ug/l 99
5) Bromomethane	1.64	94	28905	19.057	ug/l 99
6) Chloroethane	1.72	64	33831	18.557	ug/l 99
7) Trichlorofluoromethane	1.93	101	64102	18.392	ug/l 98
8) Diethyl Ether	2.18	74	30678	18.599	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39801	18.895	ug/l 99
10) Methyl Iodide	2.51	142	41009	22.486	ug/l 100
11) Tert butyl alcohol	3.04	59	62204	99.041	ug/l 100
12) 1,1-Dichloroethene	2.37	96	40988	18.842	ug/l 92
13) Acrolein	2.29	56	38087	83.507	ug/l 98
14) Allyl chloride	2.73	41	91350	19.061	ug/l 99
15) Acrylonitrile	3.14	53	162566	98.711	ug/l 99
16) Acetone	2.44	43	147919	99.837	ug/l 98
17) Carbon Disulfide	2.57	76	116052	18.351	ug/l 98
18) Methyl Acetate	2.77	43	69807	19.618	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	155203	19.798	ug/l 97
20) Methylene Chloride	2.85	84	49580	20.122	ug/l 100
21) trans-1,2-Dichloroethene	3.17	96	43987	20.131	ug/l 97
22) Diisopropyl ether	3.85	45	186972	19.813	ug/l 98
23) Vinyl Acetate	3.81	43	822928	99.954	ug/l 100
24) 1,1-Dichloroethane	3.70	63	92000	19.311	ug/l 99
25) 2-Butanone	4.67	43	236055	99.380	ug/l 100
26) 2,2-Dichloropropane	4.59	77	60347	19.044	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	52064	19.572	ug/l 98
28) Bromochloromethane	5.02	49	44461	18.890	ug/l 99
29) Tetrahydrofuran	5.13	42	154075	98.421	ug/l 100
30) Chloroform	5.21	83	84909	19.748	ug/l 98
31) Cyclohexane	5.58	56	87361	19.226	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	65999	19.204	ug/l 99
36) 1,1-Dichloropropene	5.80	75	64225	18.835	ug/l 99
37) Ethyl Acetate	4.83	43	90029	20.381	ug/l 100
38) Carbon Tetrachloride	5.79	117	53844	18.922	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78109	19.168	ug/l	99
40) Benzene	6.14	78	199460	19.539	ug/l	99
41) Methacrylonitrile	5.04	41	50247	20.241	ug/l	99
42) 1,2-Dichloroethane	6.19	62	72044	19.276	ug/l	100
43) Isopropyl Acetate	6.45	43	139380	19.727	ug/l	100
44) Trichloroethene	7.21	130	45211	18.863	ug/l	97
45) 1,2-Dichloropropane	7.51	63	57435	19.795	ug/l	97
46) Dibromomethane	7.66	93	32589	19.234	ug/l	99
47) Bromodichloromethane	7.90	83	62013	19.122	ug/l	95
48) Methyl methacrylate	7.77	41	70125	19.836	ug/l	99
49) 1,4-Dioxane	7.74	88	27863	396.377	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	463488	100.997	ug/l	100
52) Toluene	8.79	92	120990	19.822	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	67663	19.048	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	76438	18.924	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	49302	19.843	ug/l	99
56) Ethyl methacrylate	9.18	69	89387	19.930	ug/l	100
57) 1,3-Dichloropropane	9.37	76	86879	19.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	214411	92.484	ug/l	100
59) 2-Hexanone	9.49	43	359171	101.007	ug/l	99
60) Dibromochloromethane	9.58	129	44811	18.964	ug/l	99
61) 1,2-Dibromoethane	9.67	107	49760	19.625	ug/l	100
64) Tetrachloroethene	9.34	164	38155	19.666	ug/l	99
65) Chlorobenzene	10.13	112	121740	19.534	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	41739	19.412	ug/l	98
67) Ethyl Benzene	10.25	91	229732	19.531	ug/l	99
68) m/p-Xylenes	10.36	106	167267	39.090	ug/l	99
69) o-Xylene	10.69	106	81803	19.700	ug/l	100
70) Styrene	10.71	104	143045	19.943	ug/l	99
71) Bromoform	10.85	173	31145	18.341	ug/l	# 100
73) Isopropylbenzene	11.02	105	217289	20.167	ug/l	100
74) N-amyl acetate	10.90	43	127402	20.429	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	82208	19.665	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	69886m	17.750	ug/l	
77) Bromobenzene	11.26	156	51446	19.674	ug/l	99
78) n-propylbenzene	11.36	91	252039	19.969	ug/l	99
79) 2-Chlorotoluene	11.42	91	152326	19.842	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	181935	19.973	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22603	18.387	ug/l	91
82) 4-Chlorotoluene	11.51	91	174396	19.694	ug/l	100
83) tert-Butylbenzene	11.77	119	175196	19.935	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	184752	20.053	ug/l	98
85) sec-Butylbenzene	11.94	105	210447	20.108	ug/l	100
86) p-Isopropyltoluene	12.06	119	187101	20.261	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	90710	19.415	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	90905	19.279	ug/l	99
89) n-Butylbenzene	12.38	91	173628	19.848	ug/l	99
90) Hexachloroethane	12.59	117	29103	18.917	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	92200	19.706	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18157	19.920	ug/l	99

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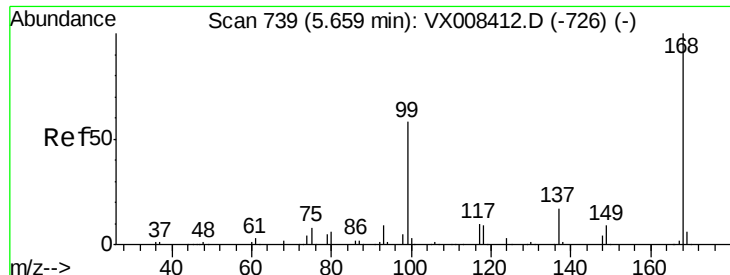
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	63304	20.096	ug/l	99
94) Hexachlorobutadiene	13.78	225	29607	19.794	ug/l	98
95) Naphthalene	13.83	128	228962	21.201	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	65824	20.795	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion:168 Resp: 186986

Ion Ratio Lower Upper

168 100

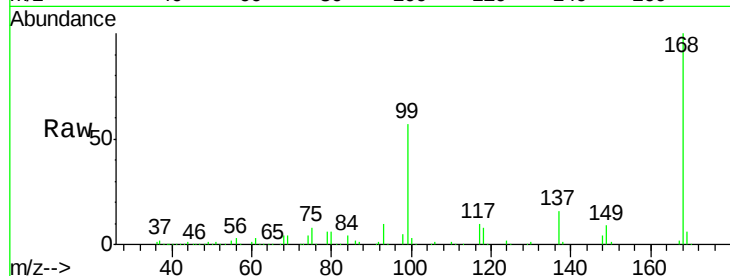
99 57.0 46.0 69.0

Manual Integrations

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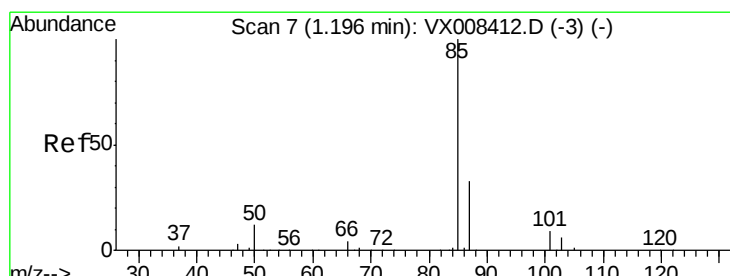
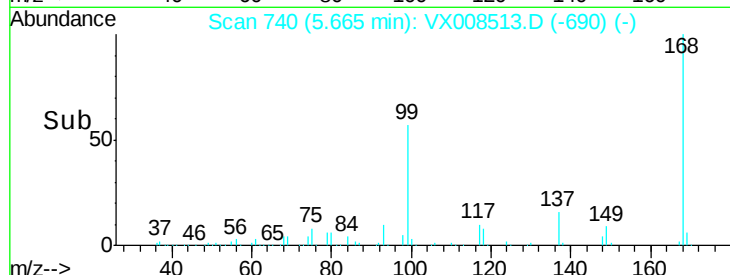
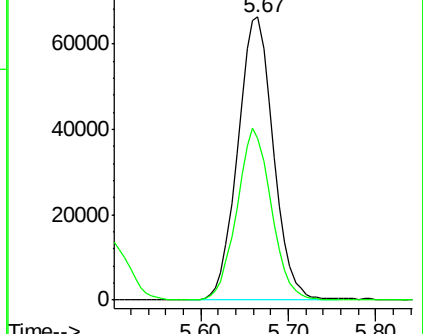
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.945 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008513.D

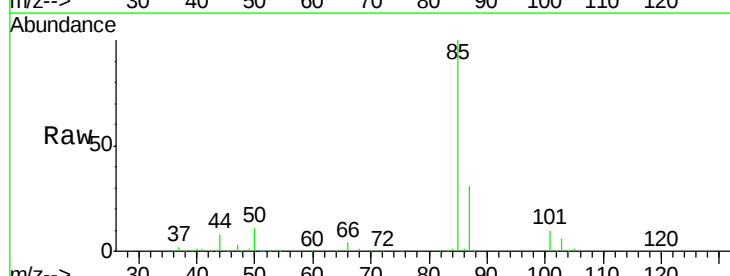
Acq: 28 Mar 2019 12:44

Tgt Ion: 85 Resp: 39553

Ion Ratio Lower Upper

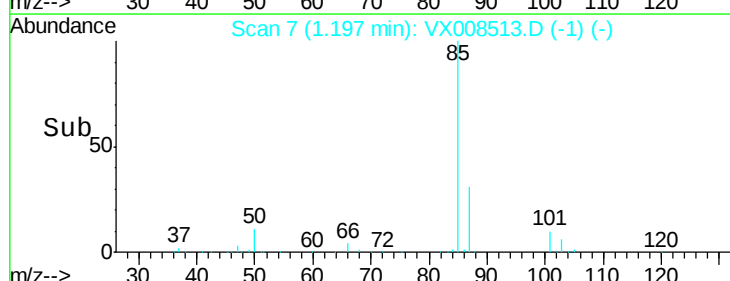
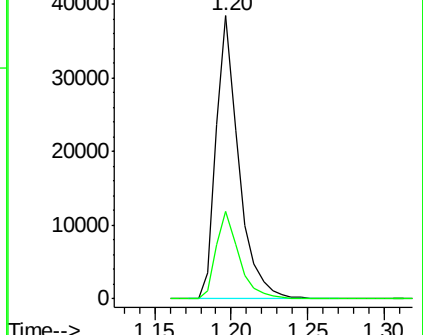
85 100

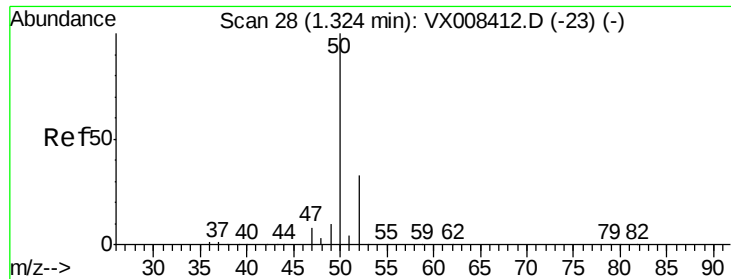
87 30.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.322 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 50 Resp: 57589

Ion Ratio Lower Upper

50 100

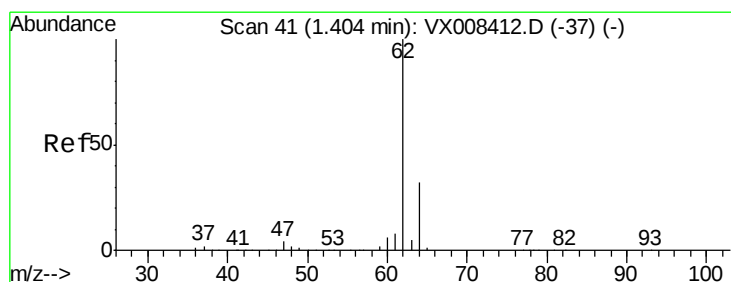
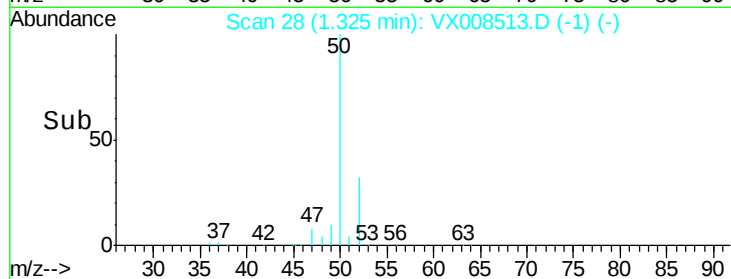
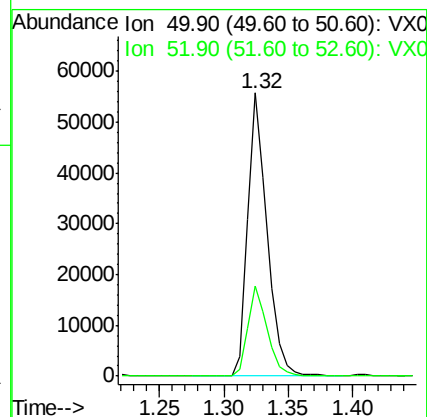
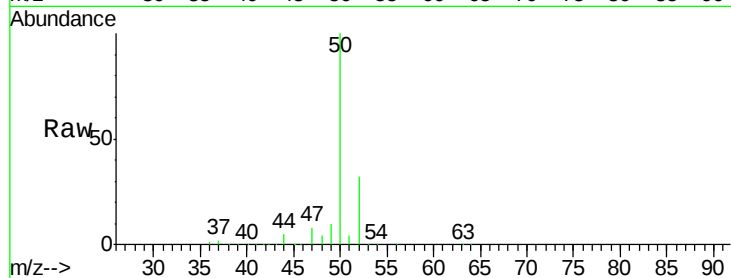
52 32.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.870 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008513.D

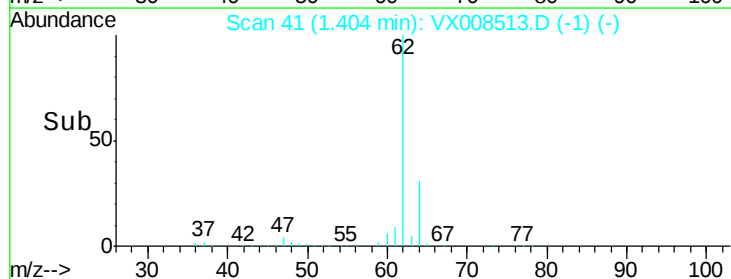
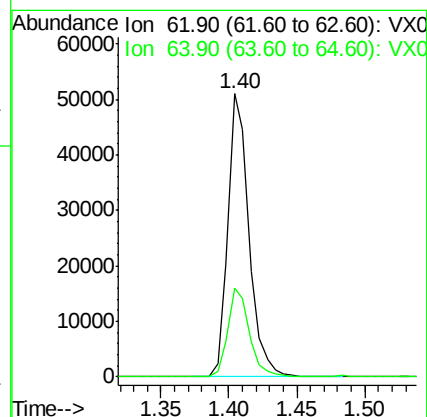
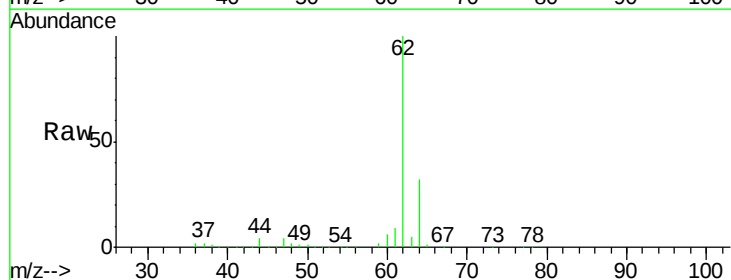
Acq: 28 Mar 2019 12:44

Tgt Ion: 62 Resp: 54994

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 19.057 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 94 Resp: 28905

Ion Ratio Lower Upper

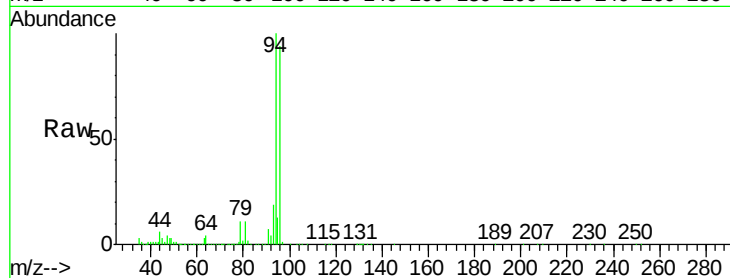
94 100

96 94.2 74.8 112.2

Manual Integrations
APPROVED

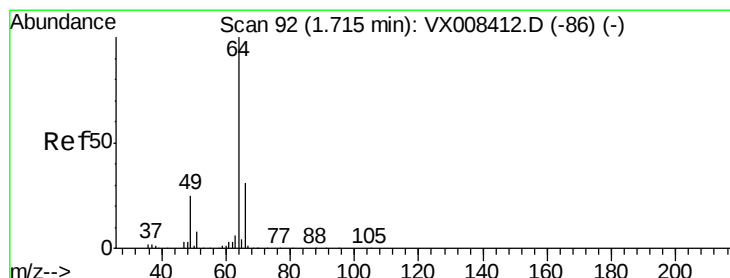
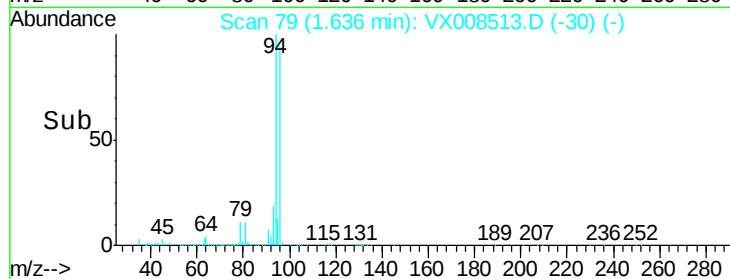
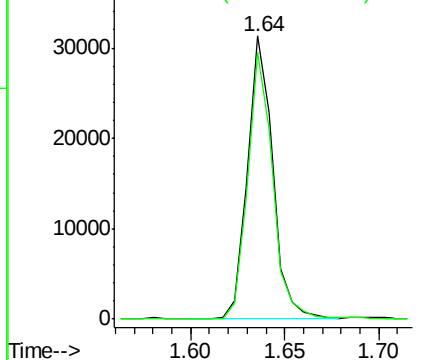
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.557 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008513.D

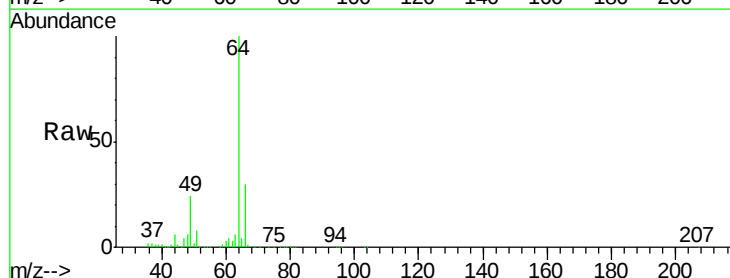
Acq: 28 Mar 2019 12:44

Tgt Ion: 64 Resp: 33831

Ion Ratio Lower Upper

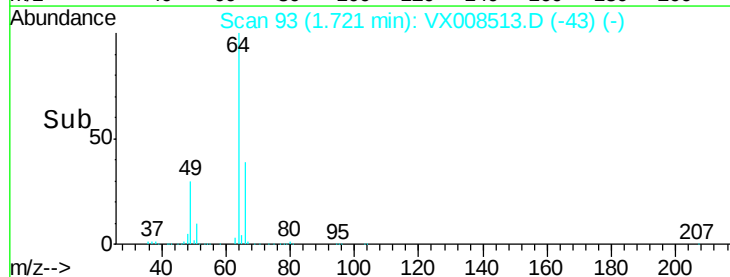
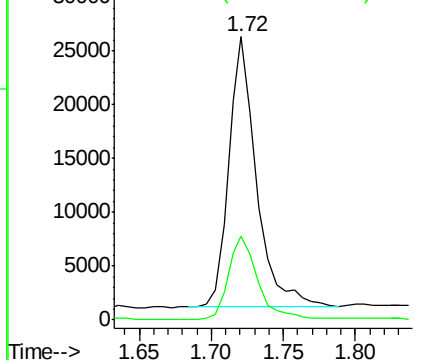
64 100

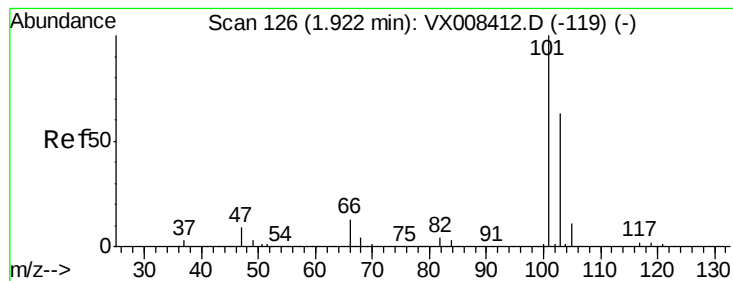
66 30.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

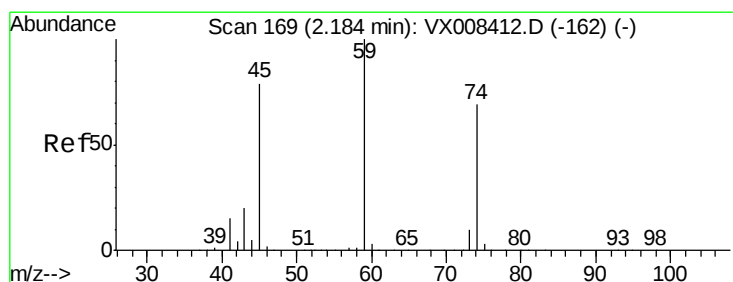
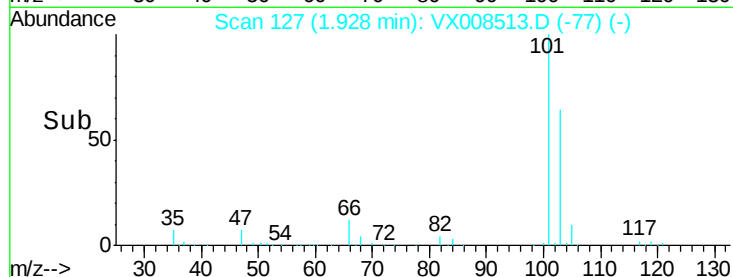
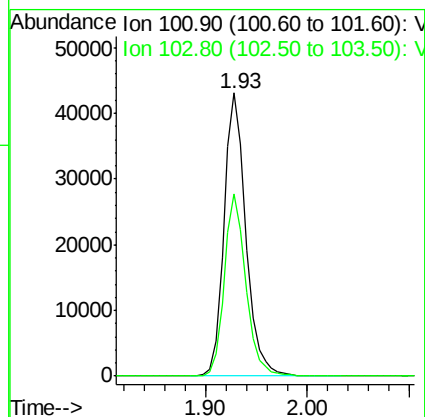
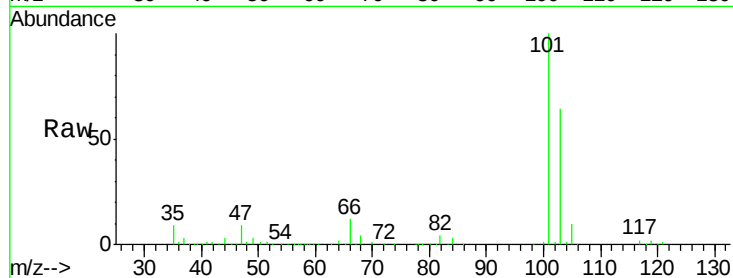
Trichlorofluoromethane
 Concen: 18.392 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328MBS01

Tot Ion:101 Resp: 64102
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.2 75.4

Manual Integrations
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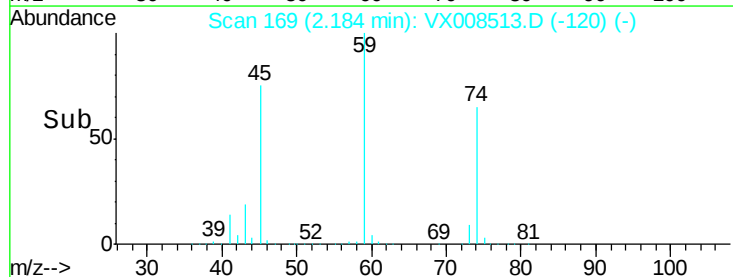
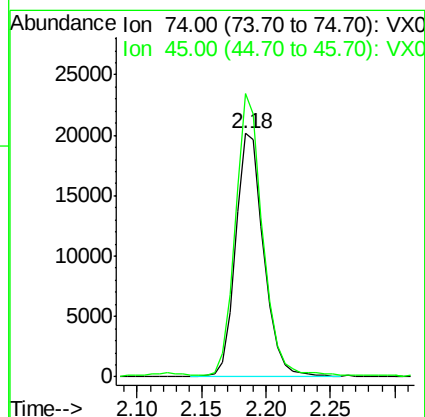
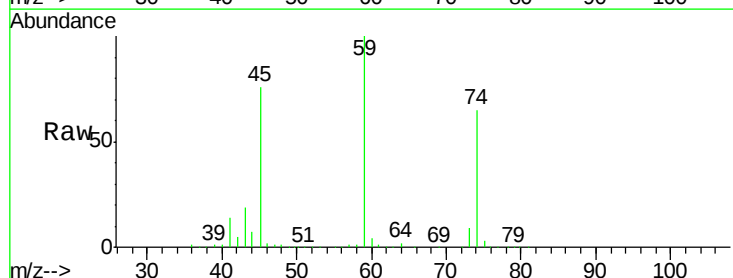
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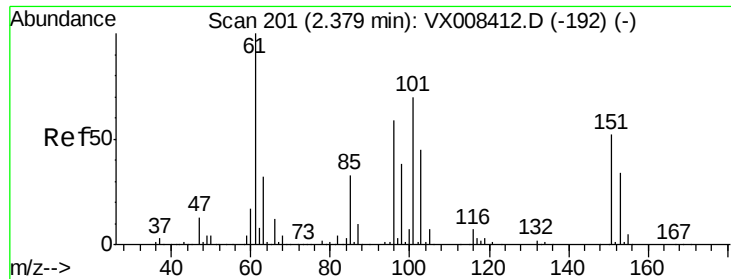


#8

Diethyl Ether
 Concen: 18.599 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Tgt Ion: 74 Resp: 30678
 Ion Ratio Lower Upper
 74 100
 45 112.7 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.895 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

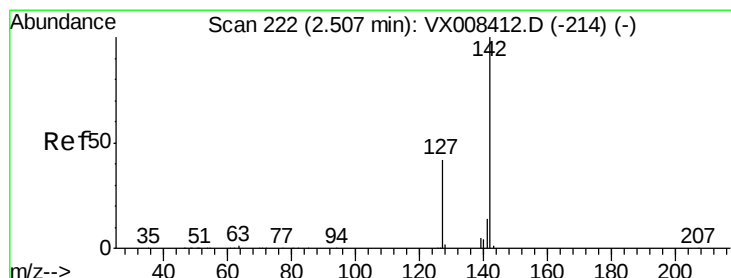
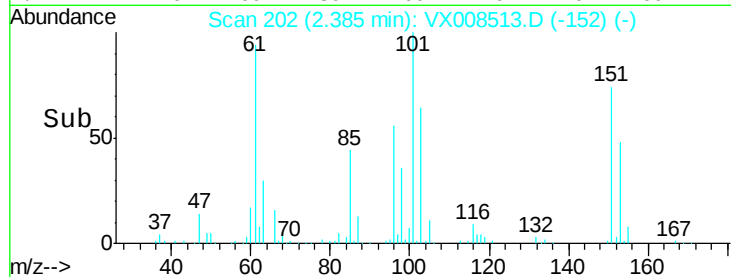
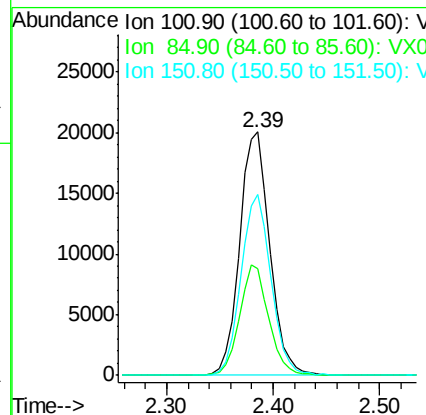
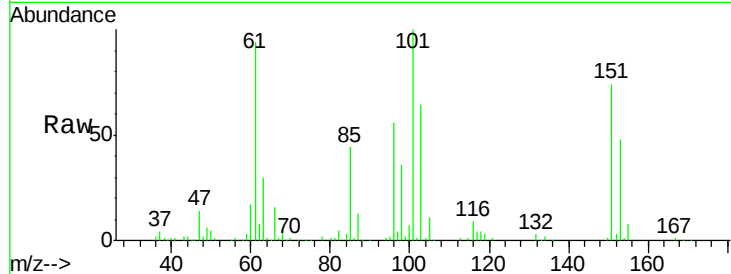
ClientSampleId :

VX0328MBS01

Tot Ion:	101	Resp:	39801
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.0	54.0
151	74.2	59.2	88.8

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#10

Methyl Iodide

Concen: 22.486 ug/l

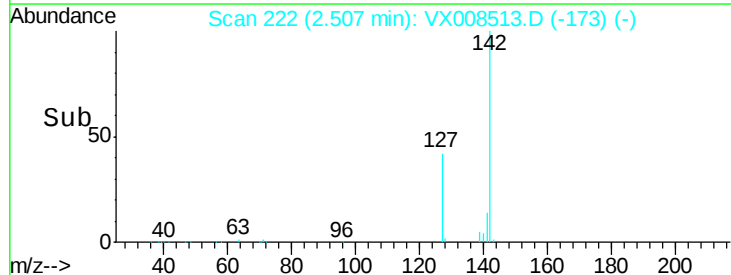
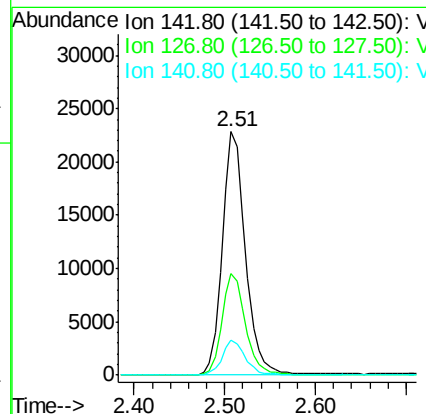
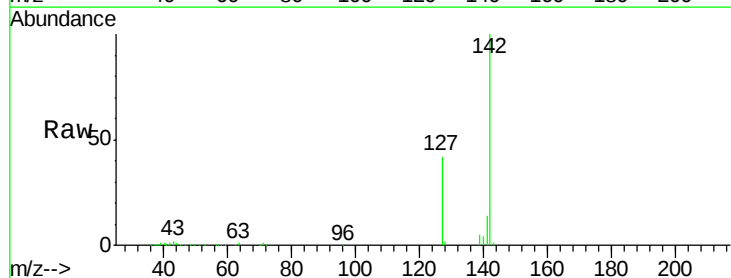
RT: 2.51 min Scan# 222

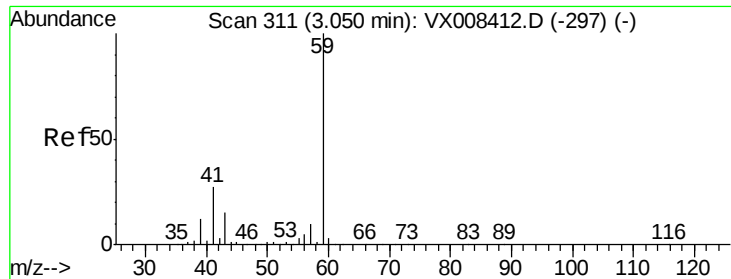
Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Tgt Ion:	142	Resp:	41009
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.6	50.4
141	14.2	11.3	16.9





#11

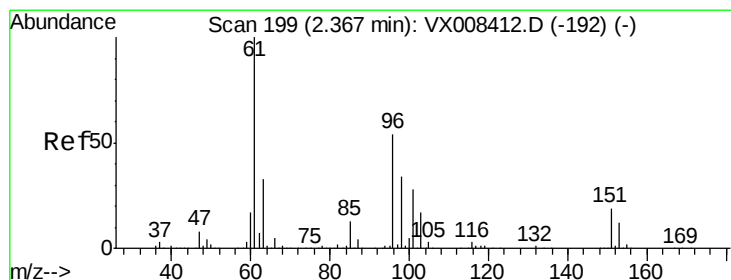
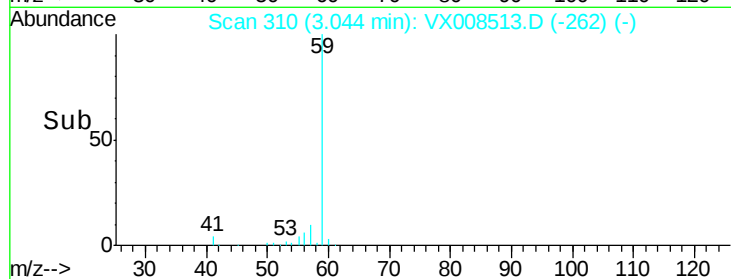
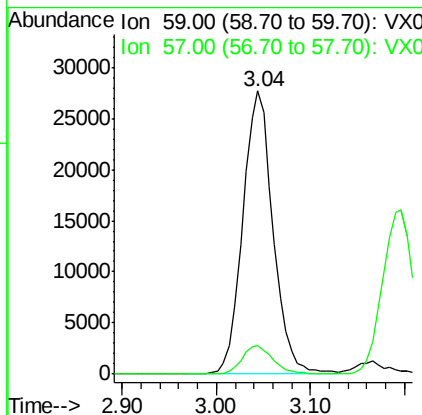
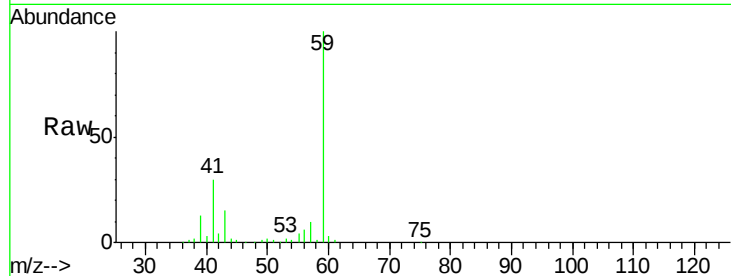
Tert butyl alcohol
Concen: 99.041 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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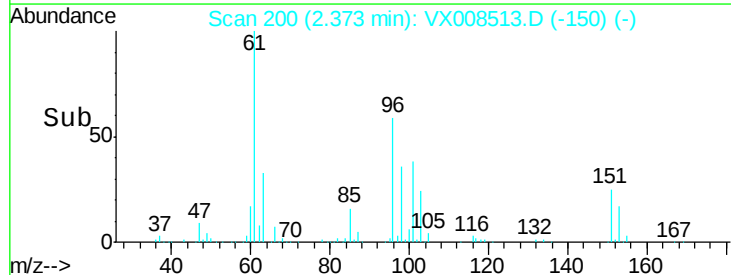
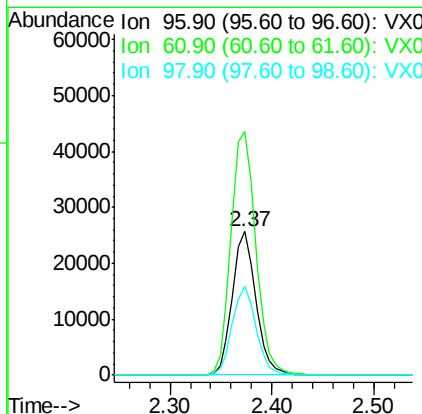
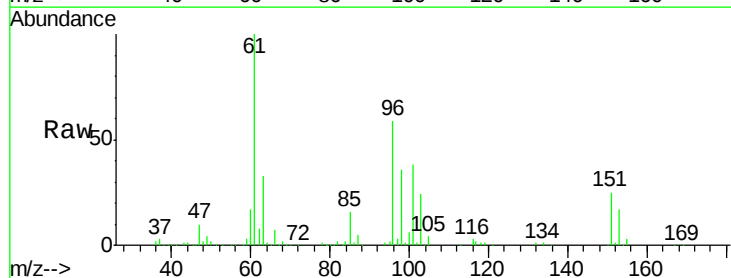
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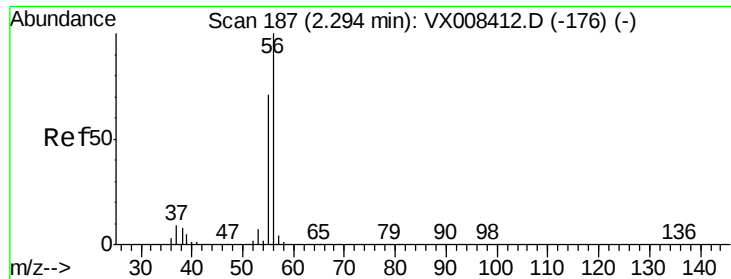


#12

1,1-Dichloroethene
Concen: 18.842 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.7	146.9	220.3
98	61.6	50.1	75.1





#13

Acrolein

Concen: 83.507 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 56 Resp: 38087

Ion Ratio Lower Upper

56 100

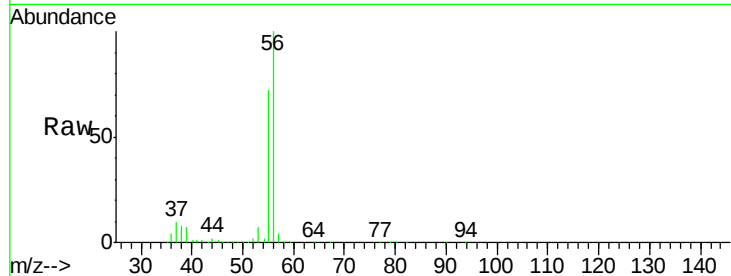
55 72.2 56.5 84.7

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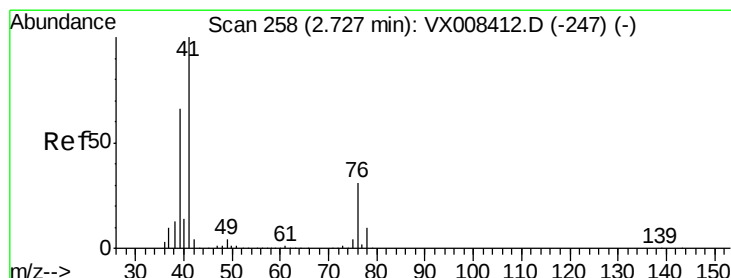
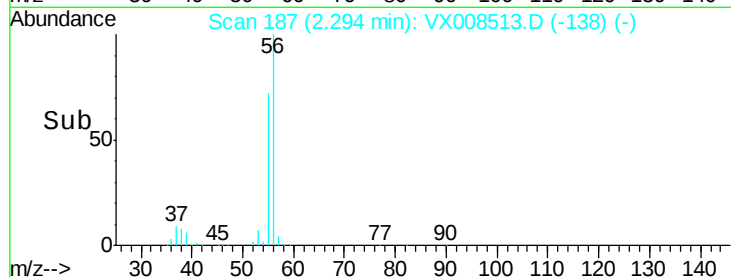
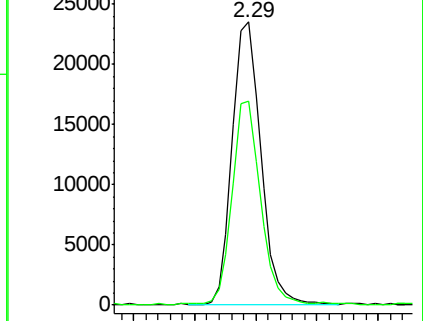
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.061 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

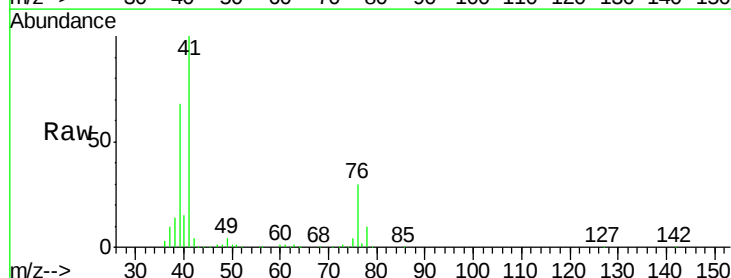
Tgt Ion: 41 Resp: 91350

Ion Ratio Lower Upper

41 100

39 61.8 49.6 74.4

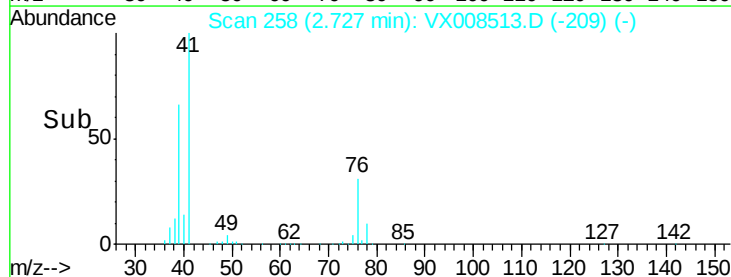
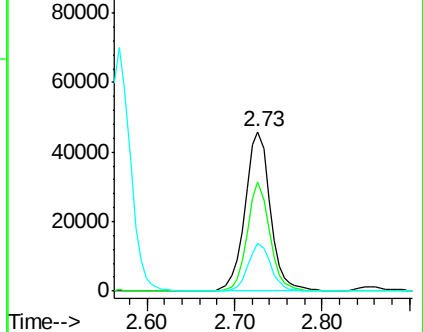
76 27.3 22.6 34.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 98.711 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

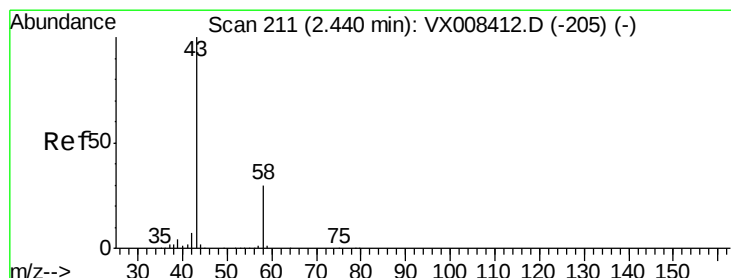
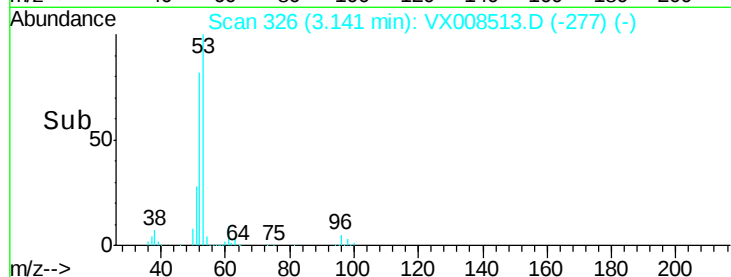
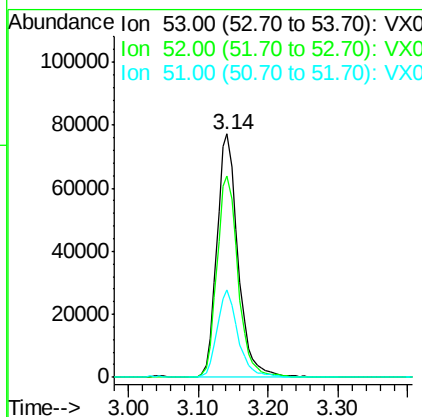
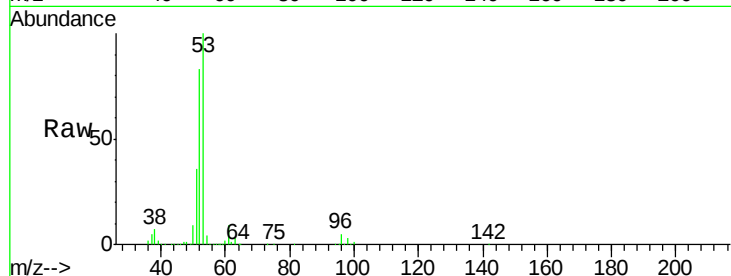
ClientSampleId :

VX0328MBS01

Tot Ion:	53	Resp:	162566
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.5	99.7
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 99.837 ug/l

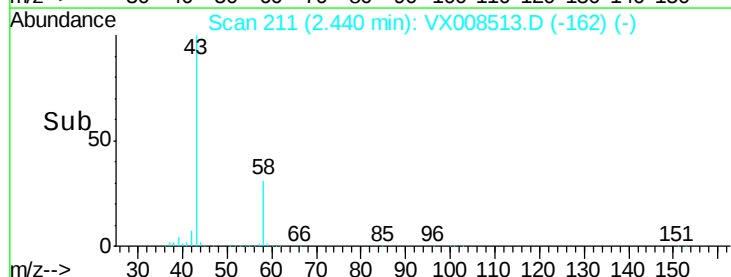
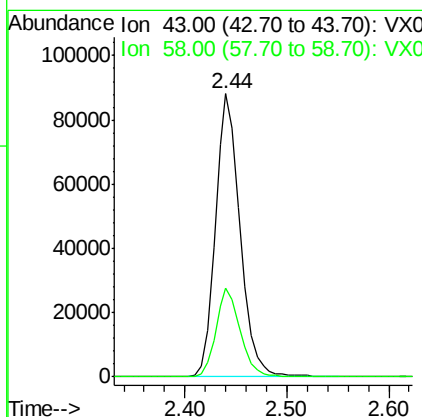
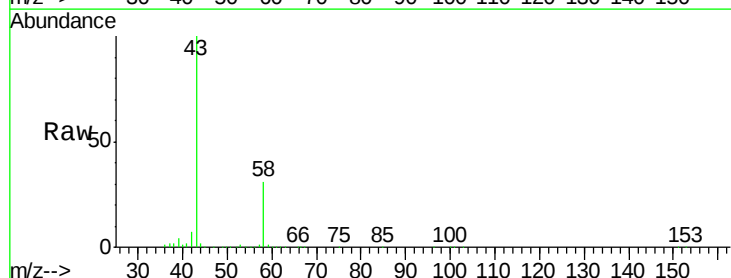
RT: 2.44 min Scan# 211

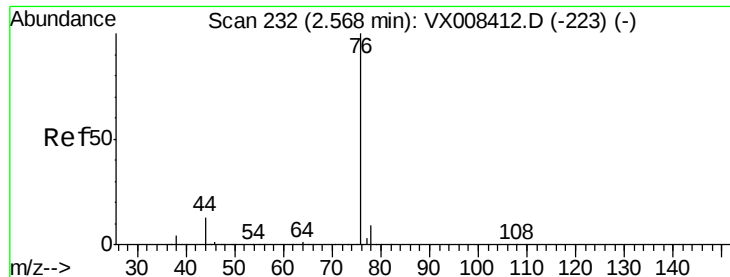
Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Tgt Ion:	43	Resp:	147919
Ion Ratio		Lower	Upper
43	100		
58	31.2	24.2	36.2





#17

Carbon Disulfide

Concen: 18.351 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 76 Resp: 116052

Ion Ratio Lower Upper

76 100

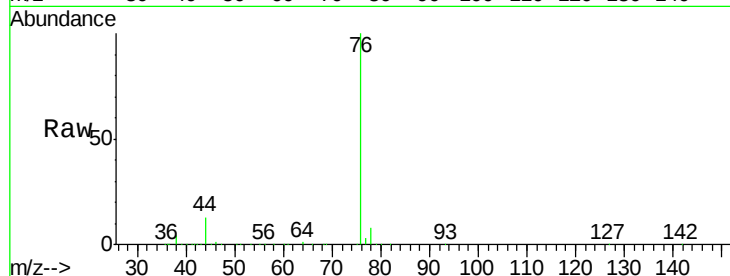
78 8.4 7.4 11.2

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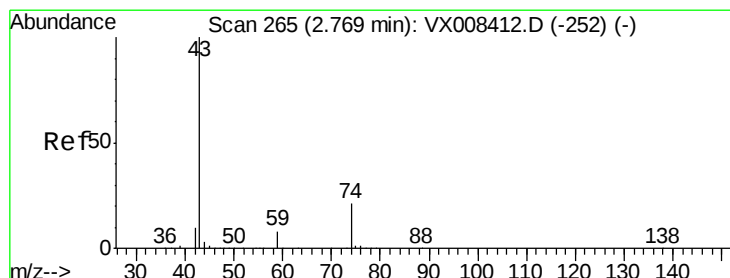
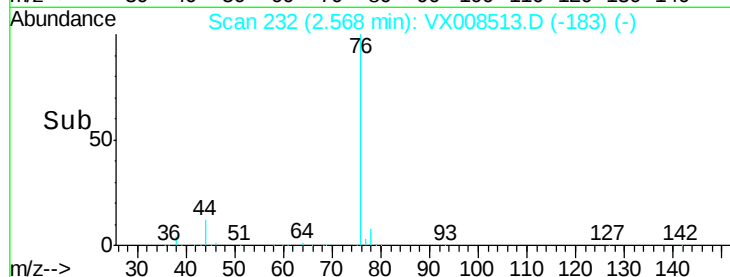
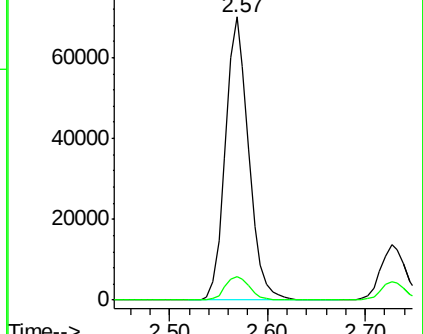
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.618 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008513.D

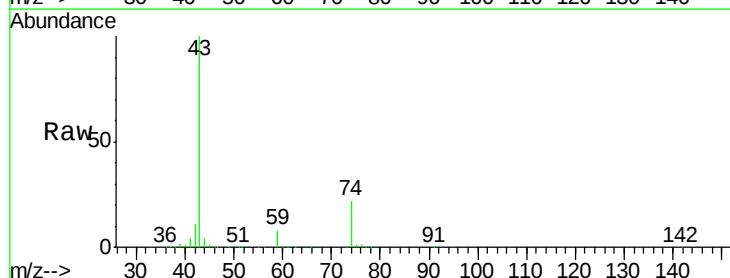
Acq: 28 Mar 2019 12:44

Tgt Ion: 43 Resp: 69807

Ion Ratio Lower Upper

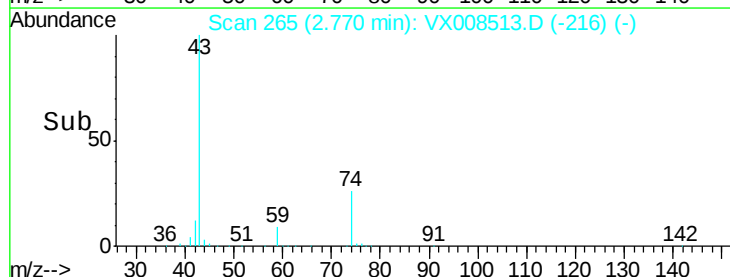
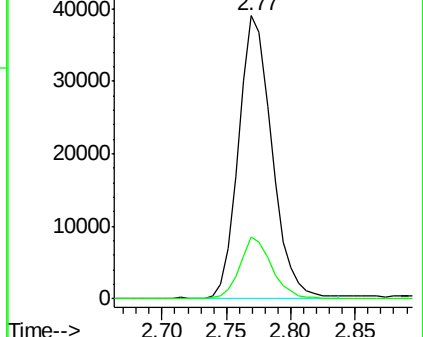
43 100

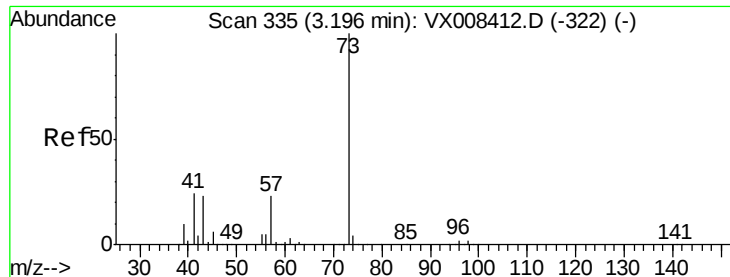
74 21.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





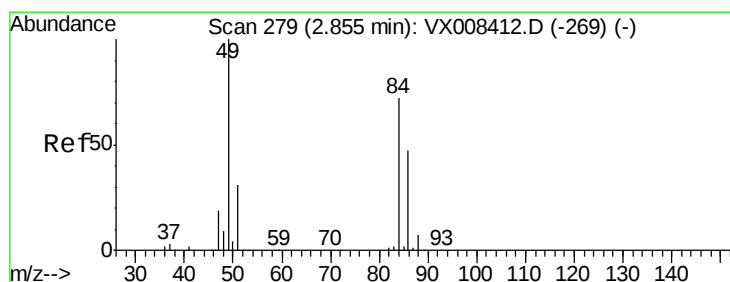
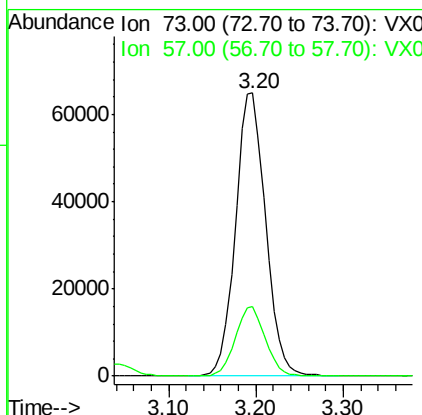
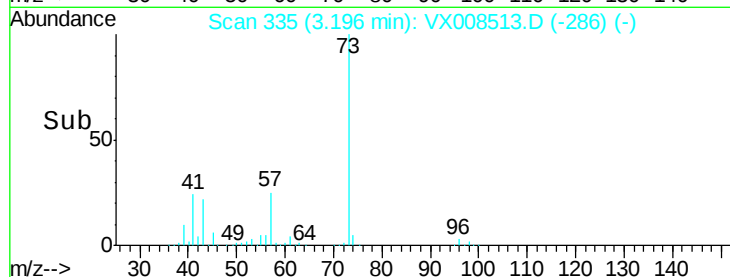
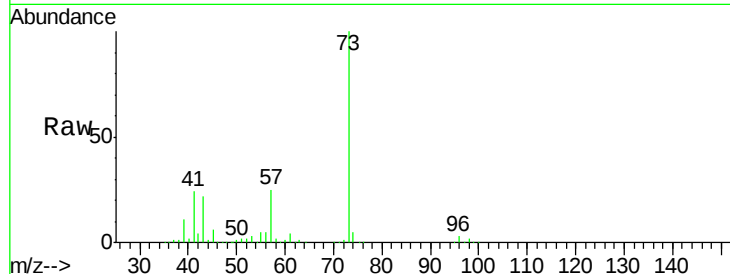
#19
Methvl tert-butvl Ether
Concen: 19.798 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion: 73 Resp: 155203
Ion Ratio Lower Upper
73 100
57 24.7 18.6 28.0

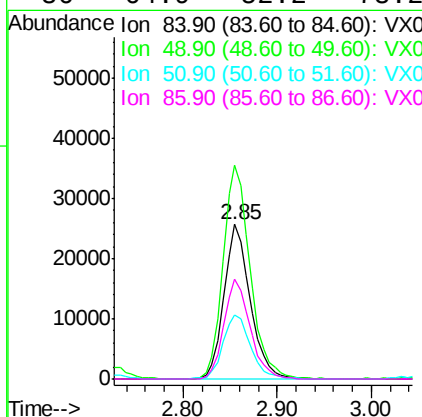
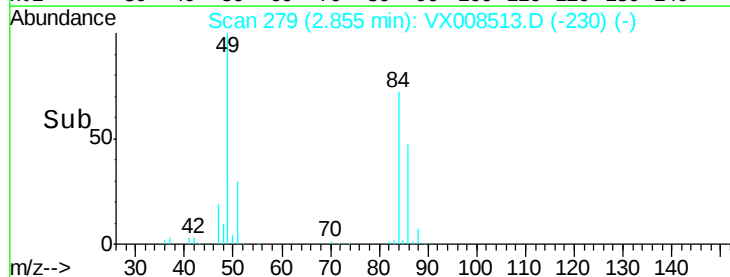
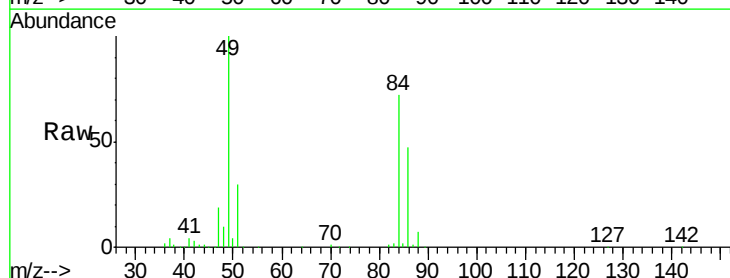
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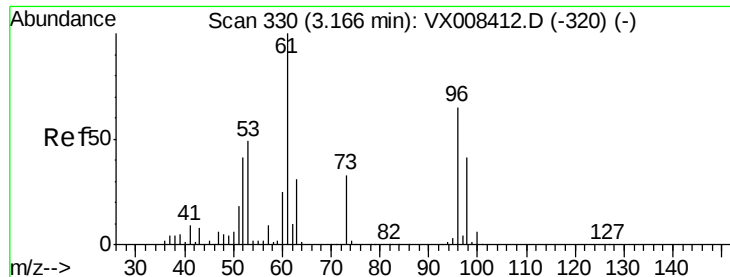
MMDadoda
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#20
Methylene Chloride
Concen: 20.122 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion: 84 Resp: 49580
Ion Ratio Lower Upper
84 100
49 138.0 110.6 165.8
51 41.6 33.9 50.9
86 64.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.131 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

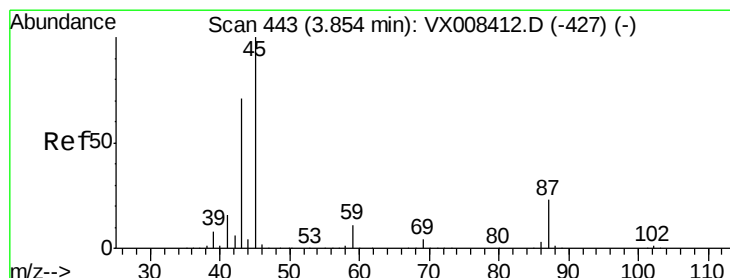
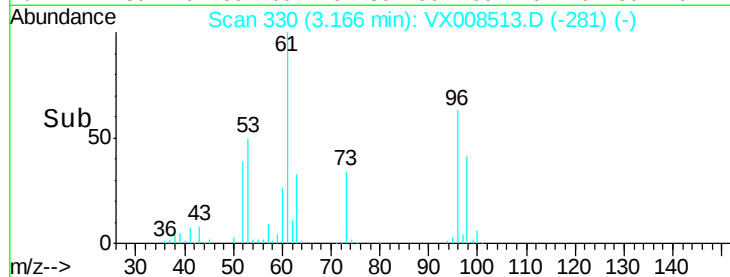
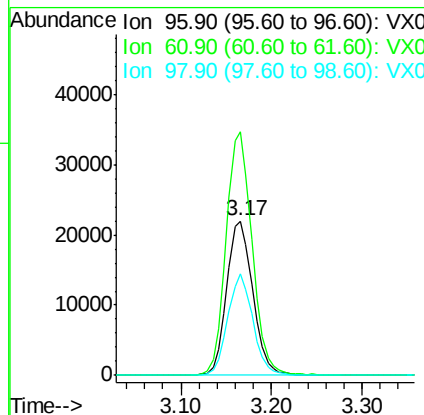
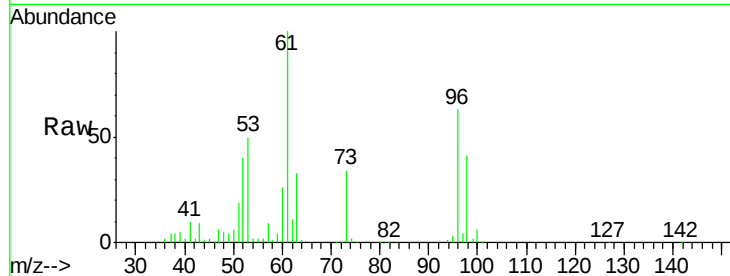
ClientSampleId :

VX0328MBS01

Tot Ion:	96	Resp:	43987
Ion	Ratio	Lower	Upper
96	100		
61	158.0	122.6	184.0
98	65.5	50.9	76.3

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#22

Diisopropyl ether

Concen: 19.813 ug/l

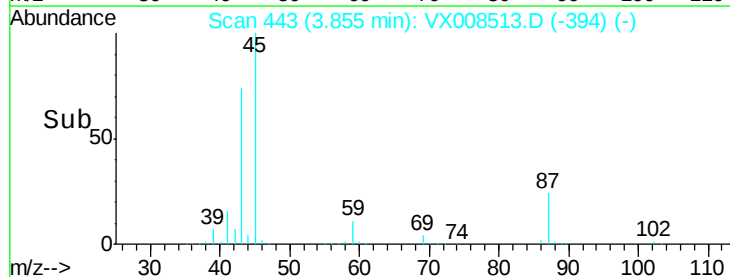
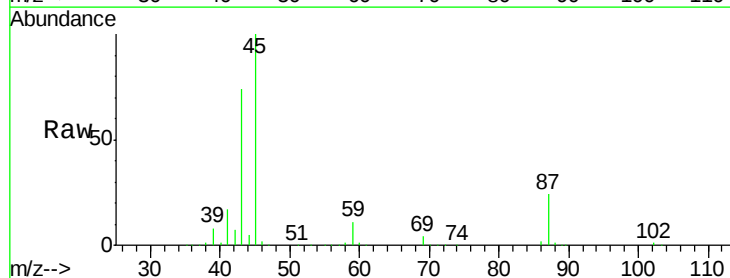
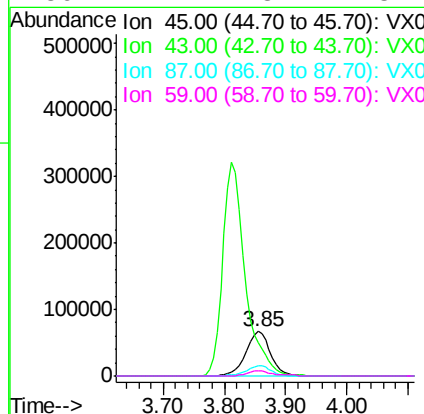
RT: 3.85 min Scan# 443

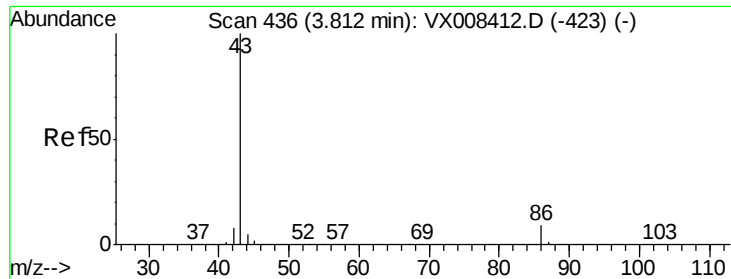
Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Tgt Ion:	45	Resp:	186972
Ion	Ratio	Lower	Upper
45	100		
43	73.9	57.1	85.7
87	24.1	18.8	28.2
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 99.954 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 43 Resp: 822928

Ion Ratio Lower Upper

43 100

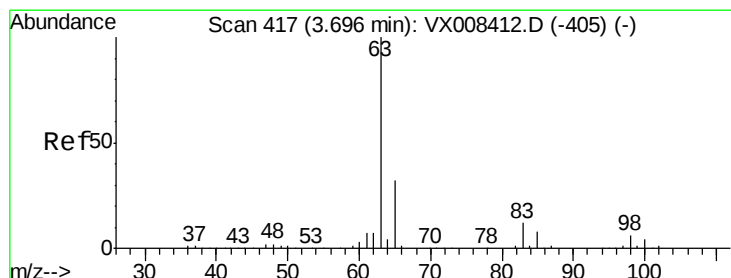
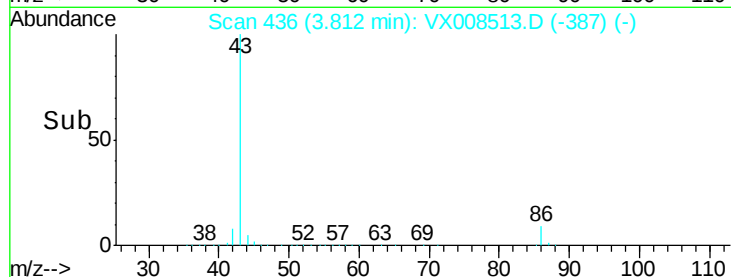
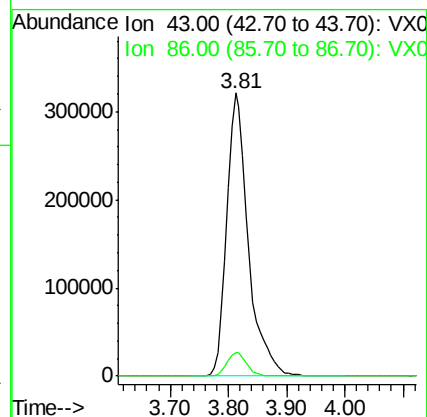
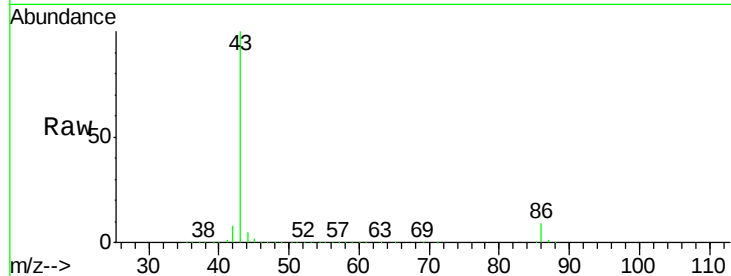
86 8.5 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 19.311 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

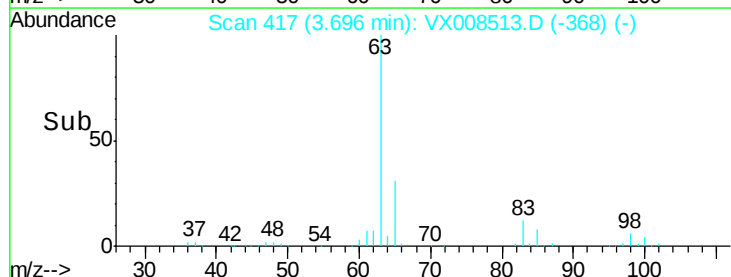
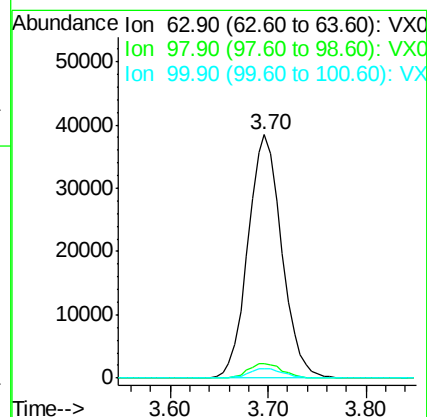
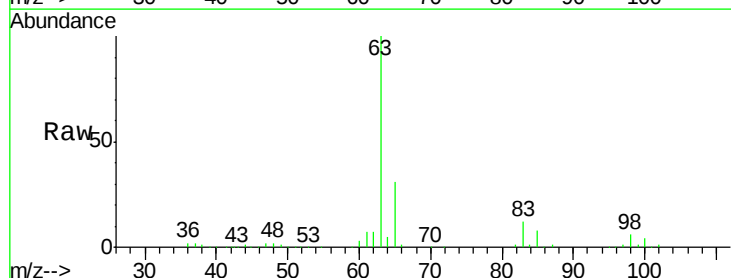
Tgt Ion: 63 Resp: 92000

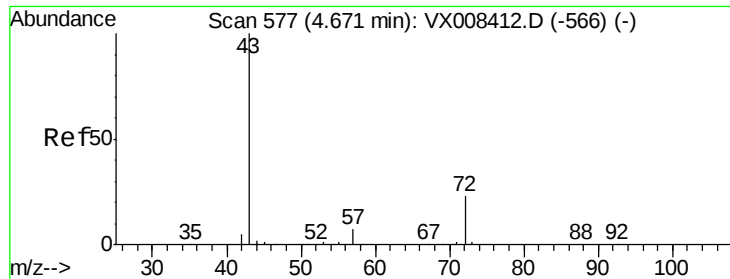
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 99.380 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 43 Resp: 236055

Ion Ratio Lower Upper

43 100

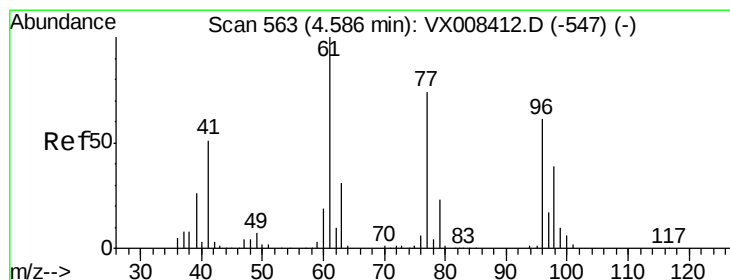
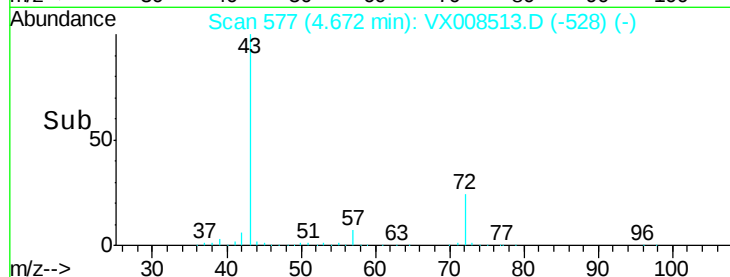
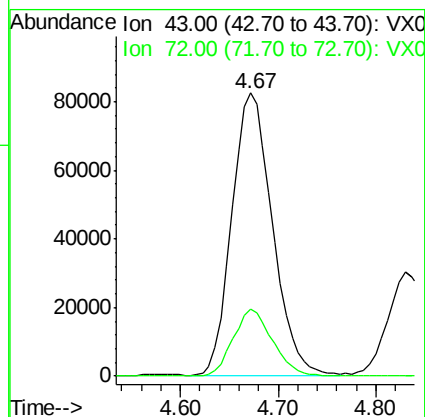
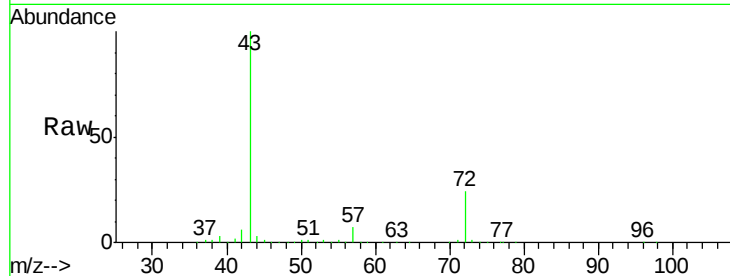
72 23.5 18.6 28.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.044 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008513.D

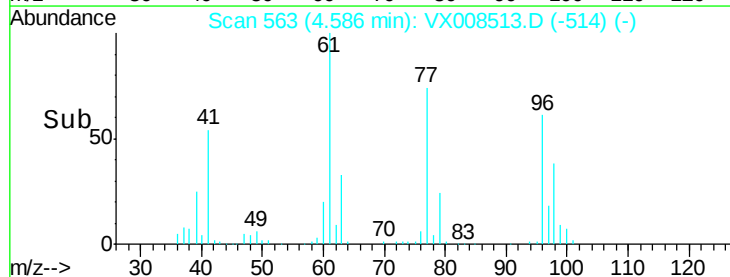
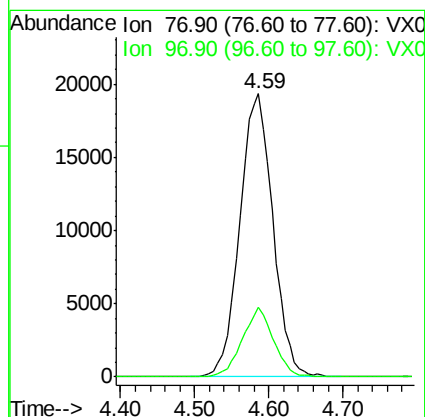
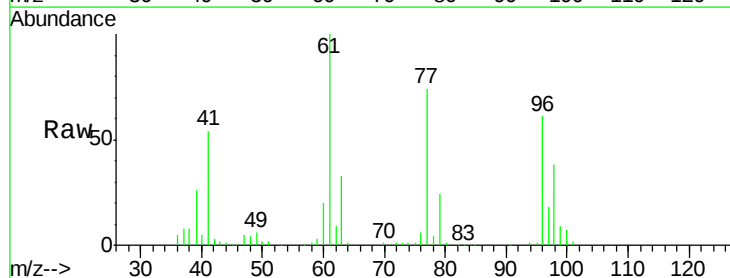
Acq: 28 Mar 2019 12:44

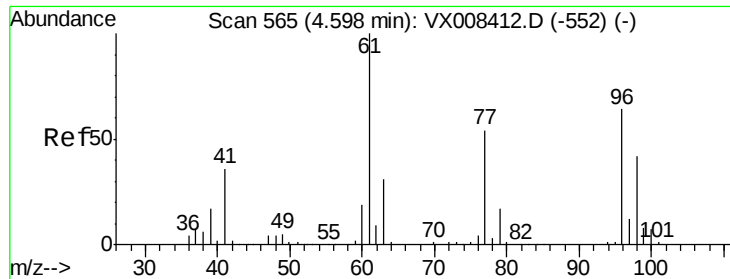
Tgt Ion: 77 Resp: 60347

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.6





#27

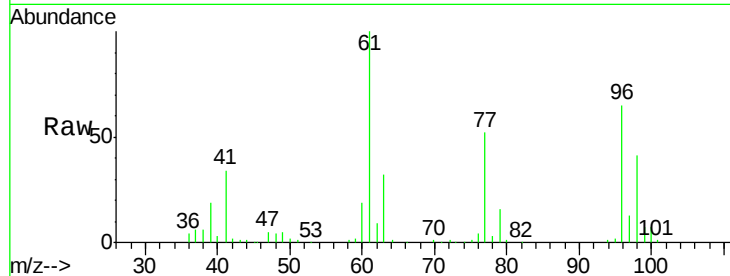
cis-1,2-Dichloroethene
Concen: 19.572 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

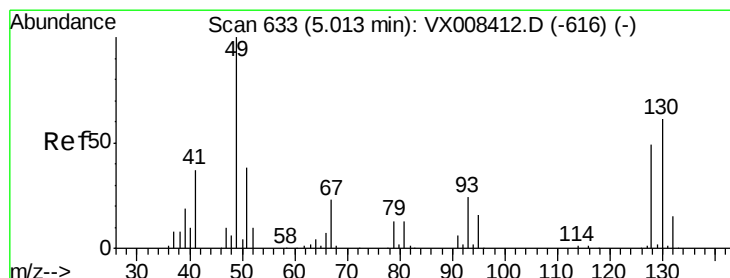
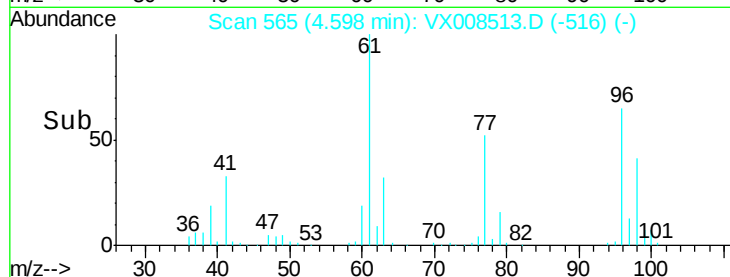
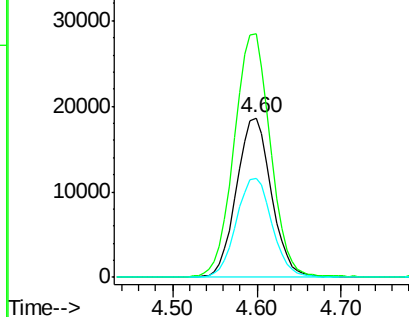
Tot Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	325.6
98	64.0	0.0	130.0

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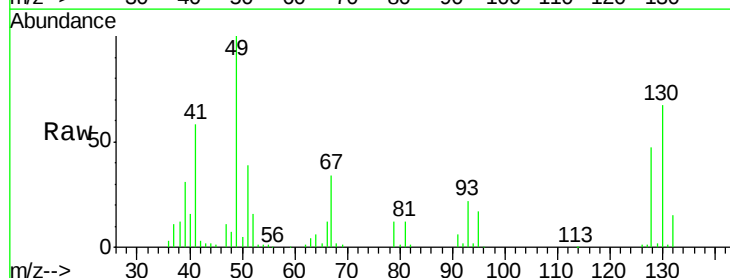
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



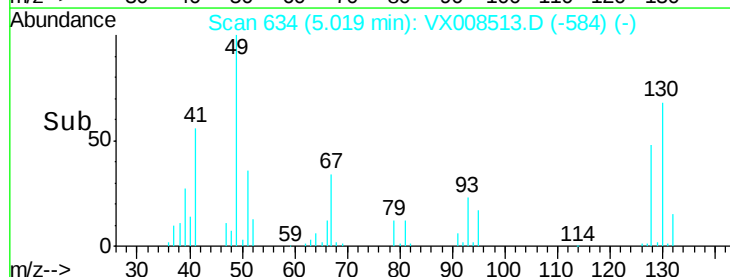
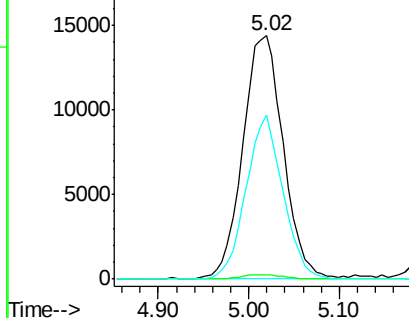
#28

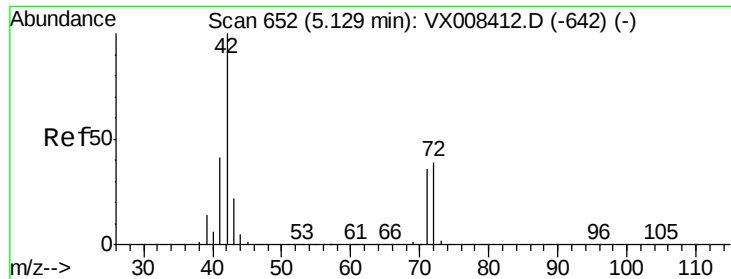
Bromochloromethane
Concen: 18.890 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	61.5	49.8	74.6



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





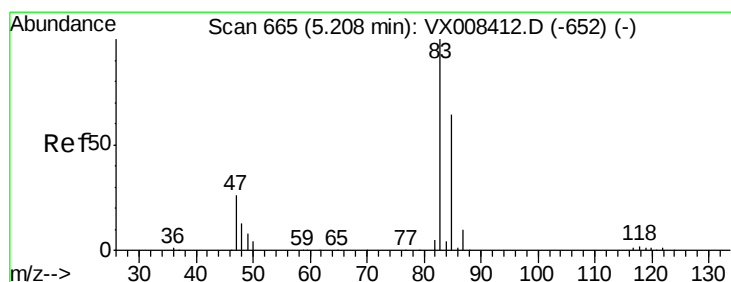
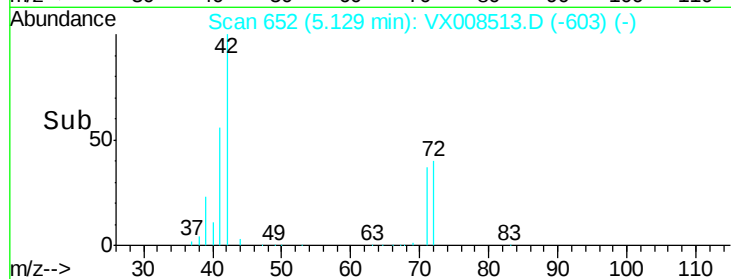
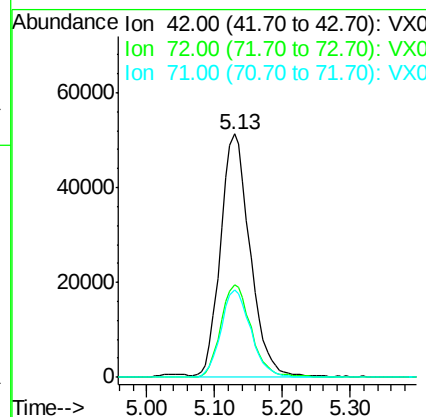
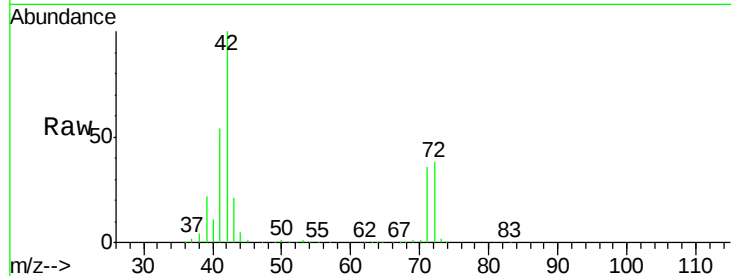
#29
Tetrahydrofuran
Concen: 98.421 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.4	47.2
71	36.4	29.4	44.2

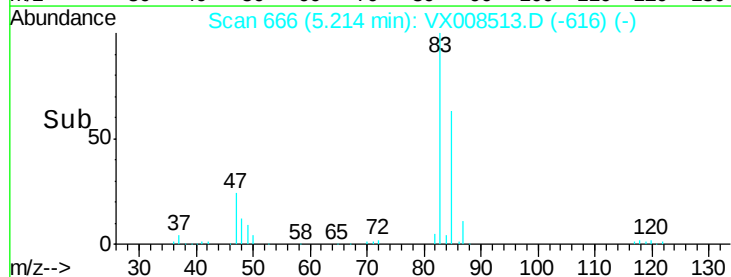
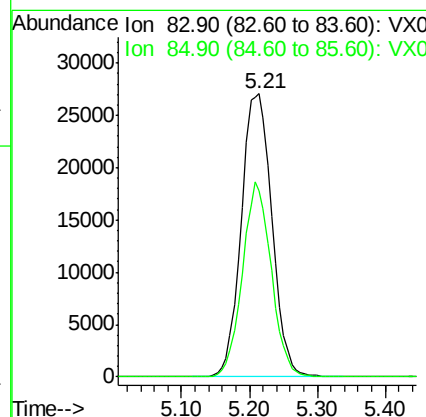
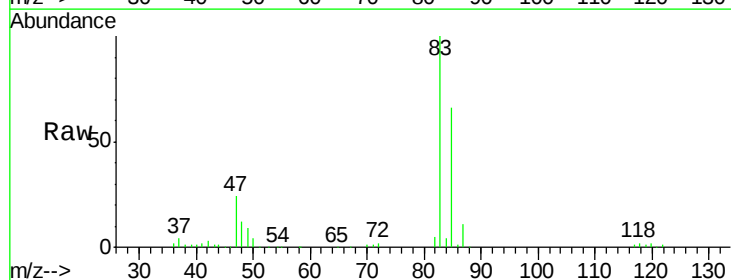
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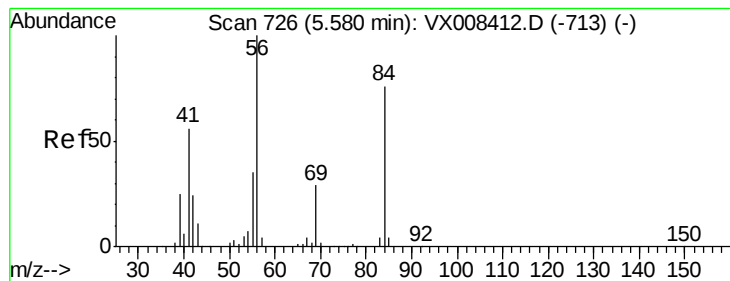
MMDadoda
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#30
Chloroform
Concen: 19.748 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2





#31

Cyclohexane

Concen: 19.226 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

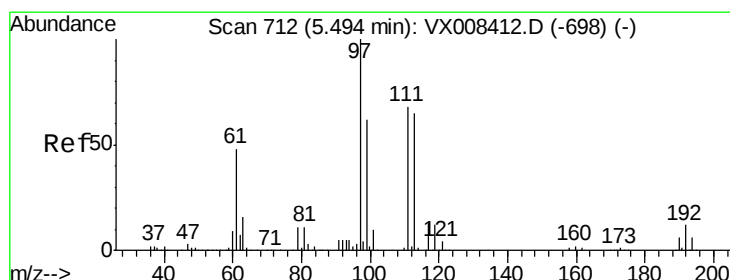
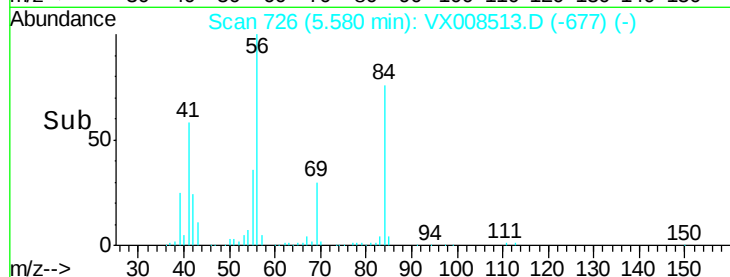
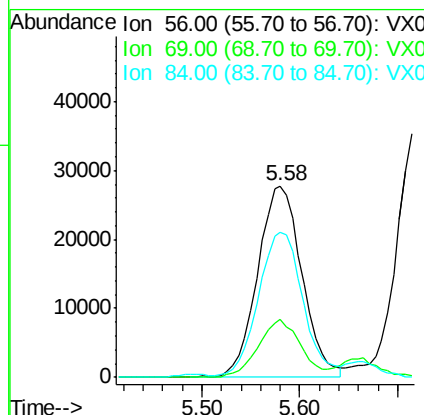
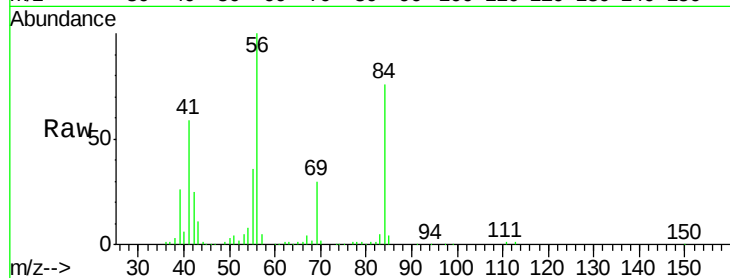
ClientSampleId :

VX0328MBS01

Tot Ion:	56	Resp:	87361
Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.2	34.8
84	74.3	60.7	91.1

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#32

1,1,1-Trichloroethane

Concen: 19.204 ug/l

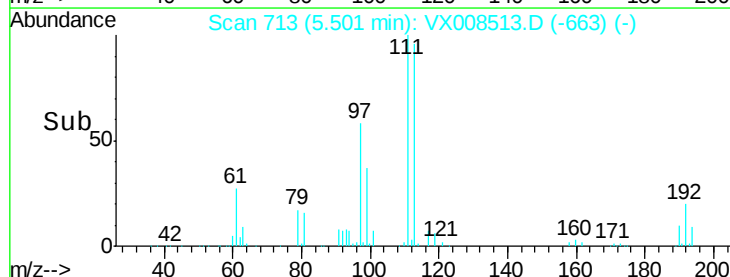
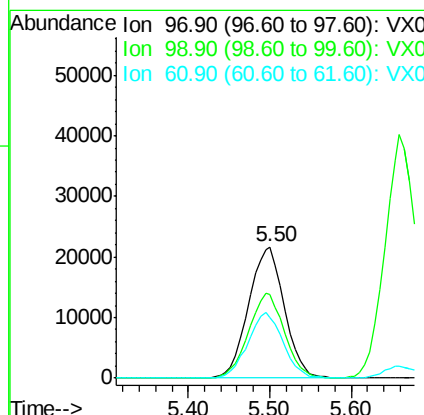
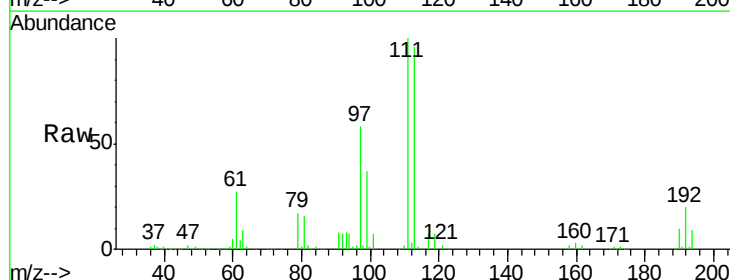
RT: 5.50 min Scan# 713

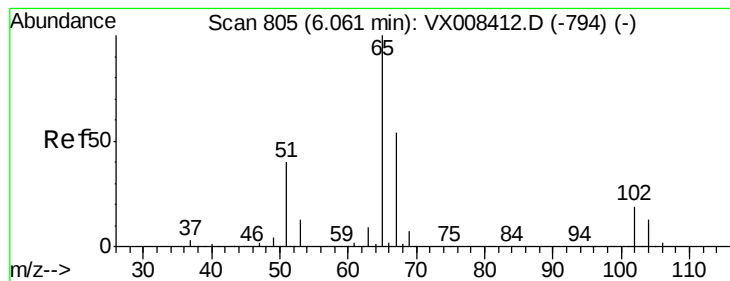
Delta R.T. 0.01 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Tgt Ion:	97	Resp:	65999
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	49.3	38.8	58.2





#33

1,2-Dichloroethane-d4

Concen: 49.430 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 65 Resp: 140123

Ion Ratio Lower Upper

65 100

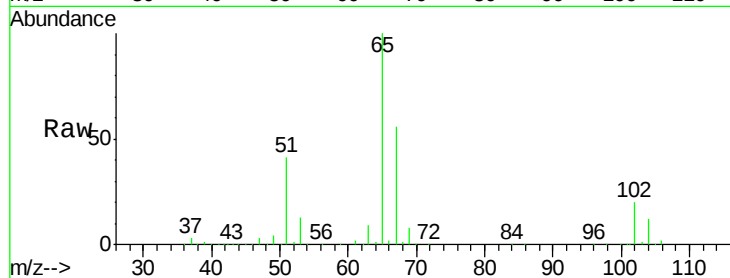
67 54.4 0.0 109.4

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

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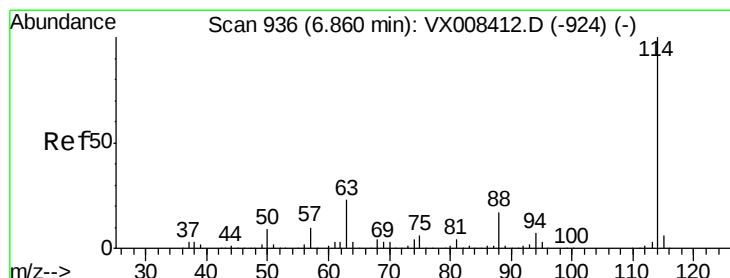
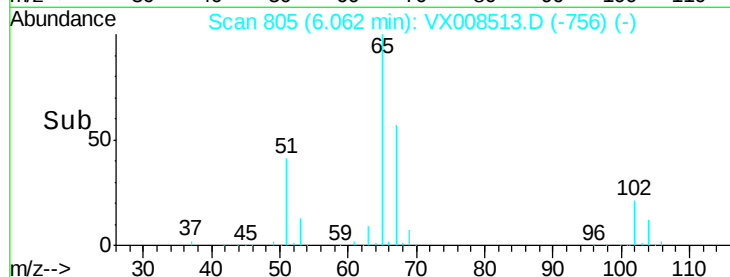
6.06

6.06

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6.06



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

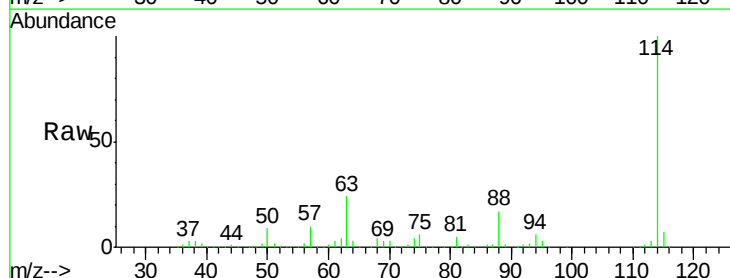
Tgt Ion:114 Resp: 319802

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.4

88 16.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

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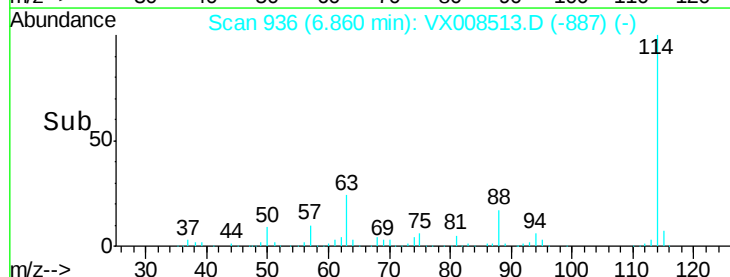
6.86

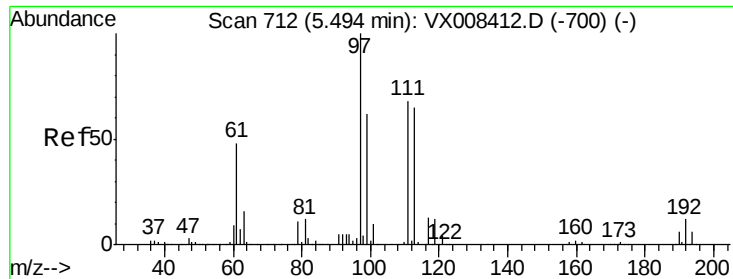
6.86

6.86

6.86

6.86





#35

Dibromofluoromethane

Concen: 49.561 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

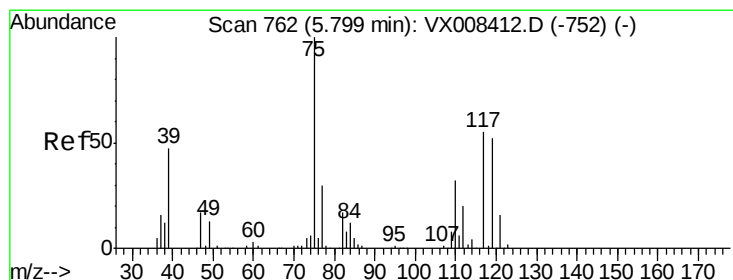
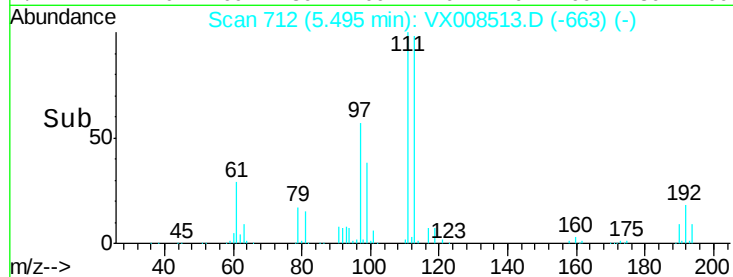
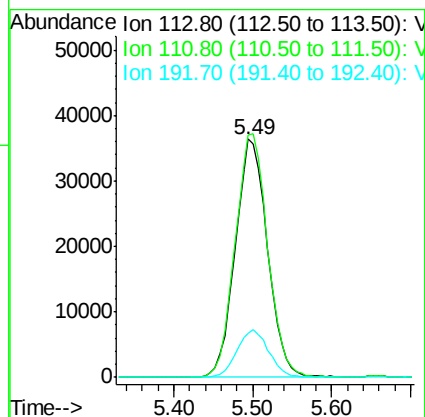
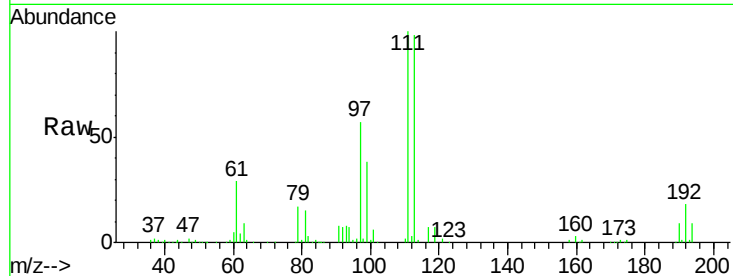
ClientSampleId :

VX0328MBS01

Tot Ion:	113	Resp:	103347
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.0	124.4
192	19.8	15.6	23.4

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#36

1,1-Dichloropropene

Concen: 18.835 ug/l

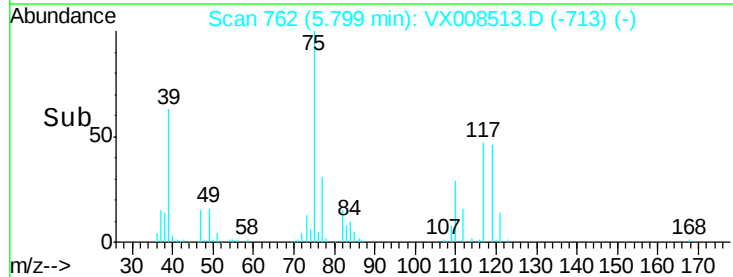
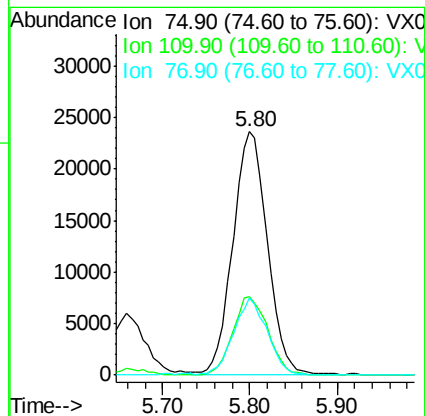
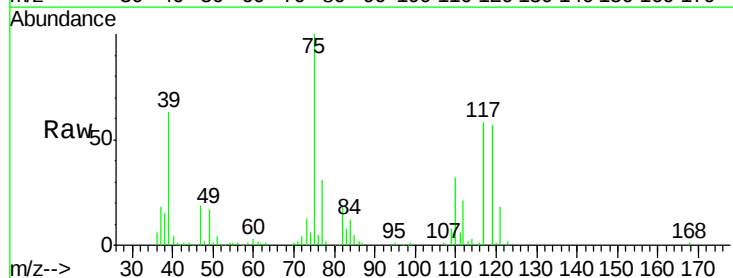
RT: 5.80 min Scan# 762

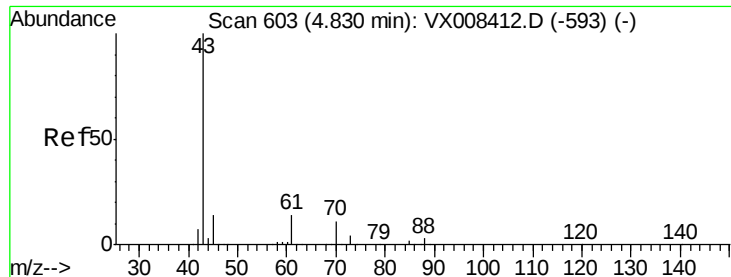
Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Tgt Ion:	75	Resp:	64225
Ion Ratio	Lower	Upper	
75	100		
110	33.2	16.6	49.7
77	31.3	24.2	36.2





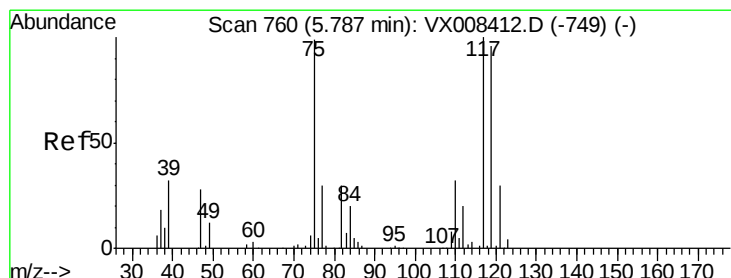
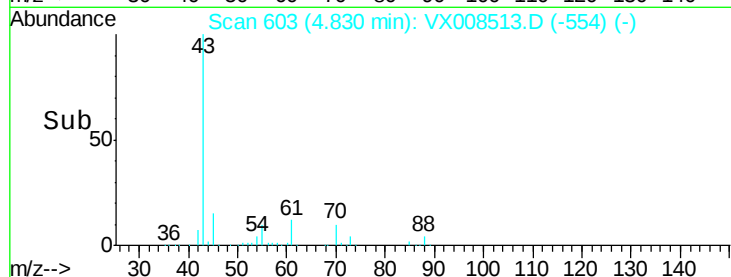
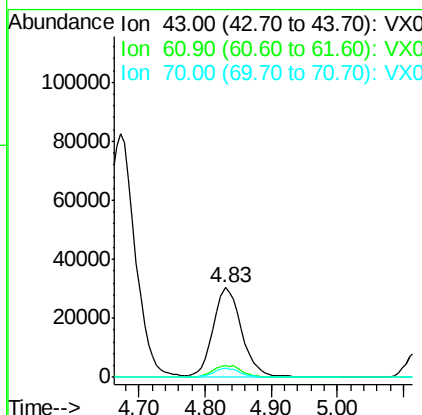
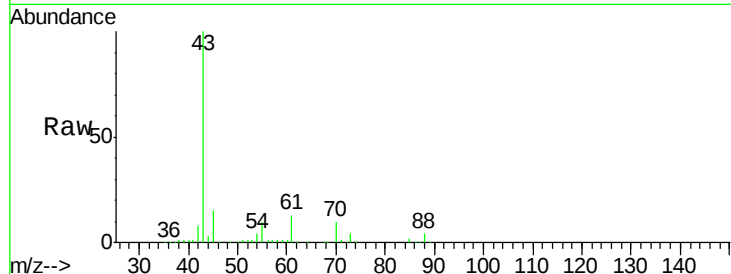
#37
Ethyl Acetate
Concen: 20.381 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	10.0	7.8	11.8

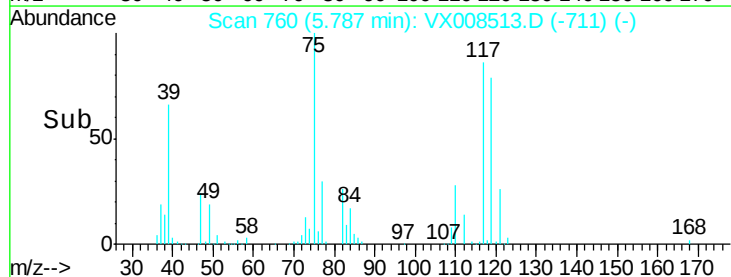
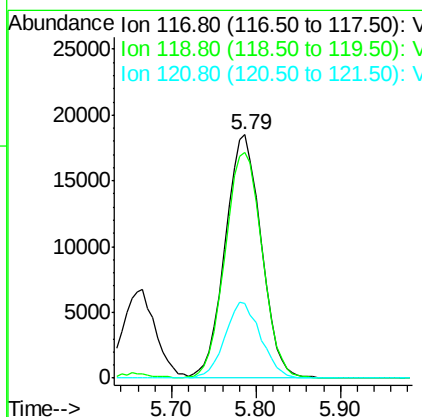
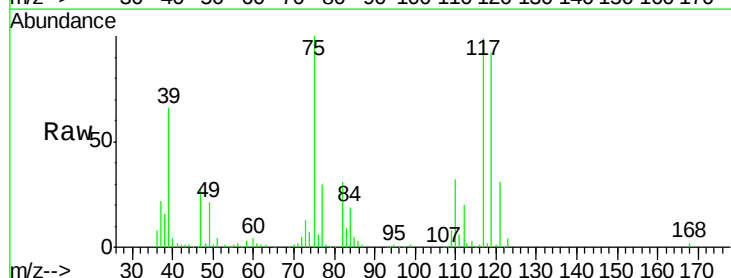
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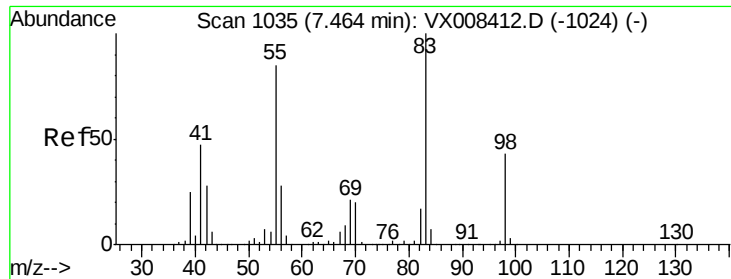
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#38
Carbon Tetrachloride
Concen: 18.922 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	76.7	115.1
121	30.9	24.3	36.5





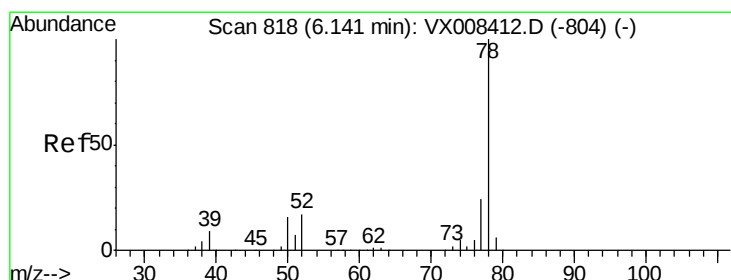
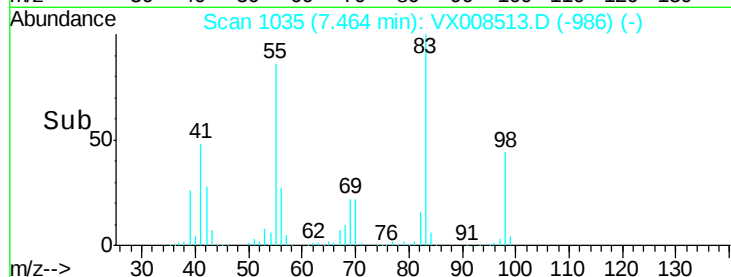
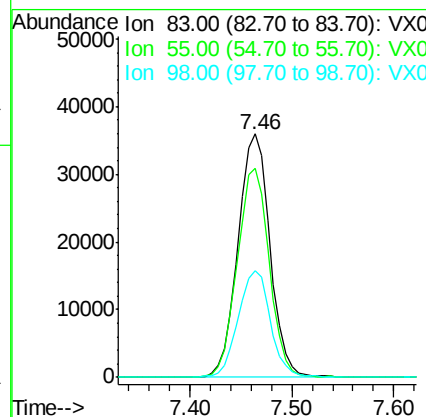
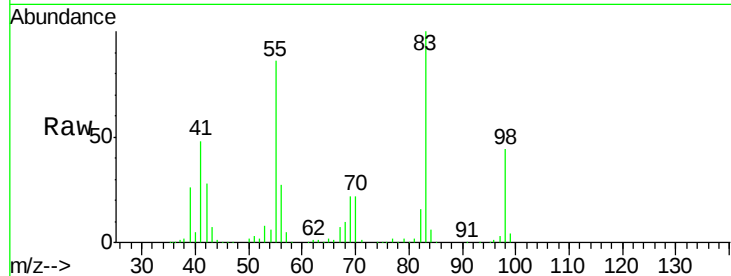
#39
Methylvlcvclohexane
Concen: 19.168 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	68.2	102.4
98	43.9	34.2	51.4

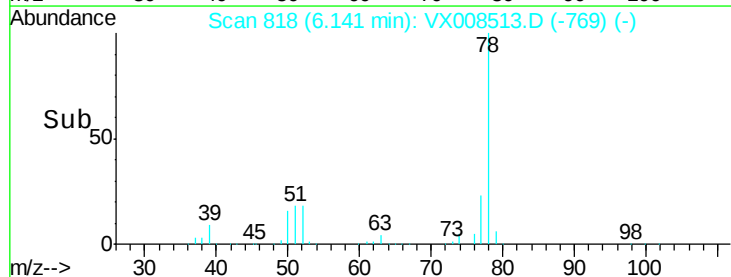
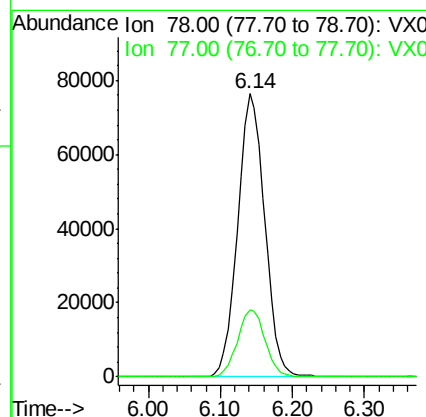
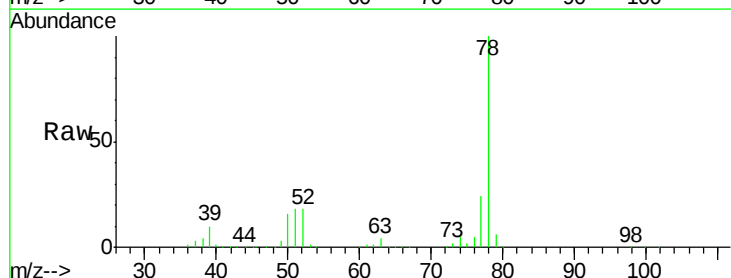
Manual Integrations
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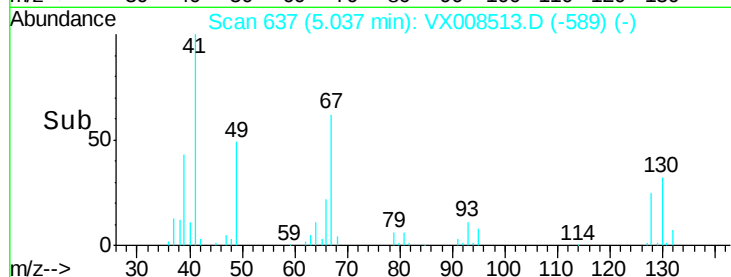
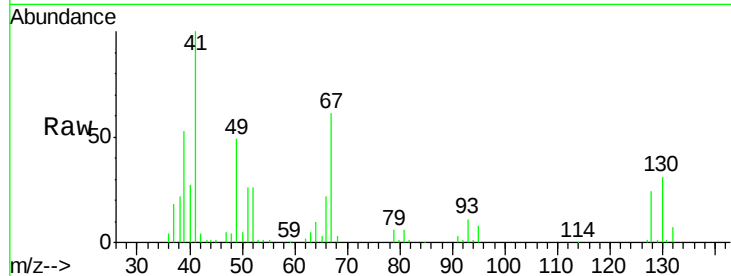
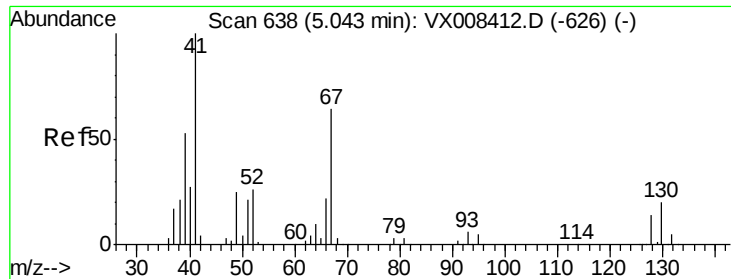
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#40
Benzene
Concen: 19.539 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

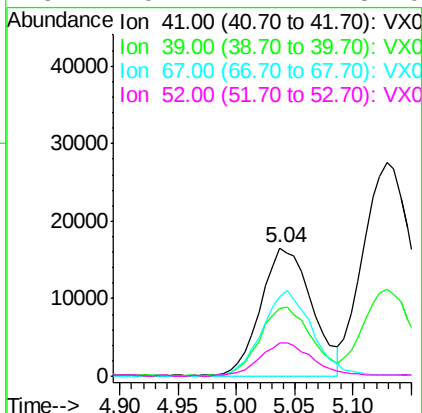
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





#41
Methacrylonitrile
Concen: 20.241 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

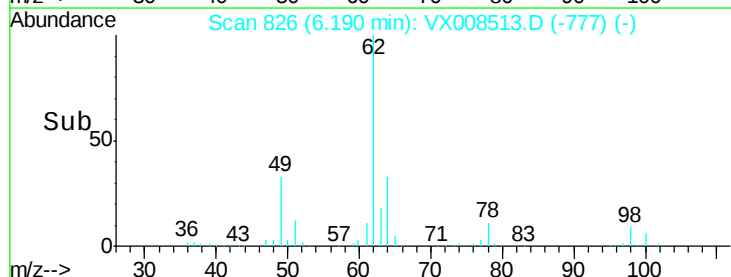
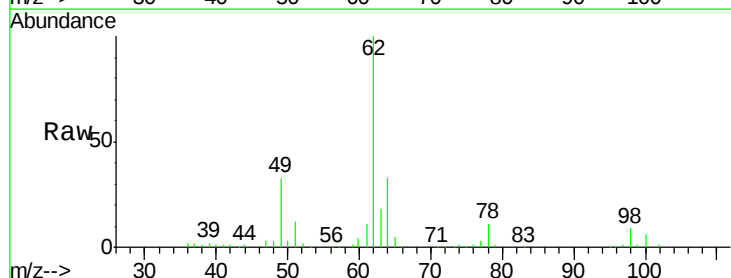
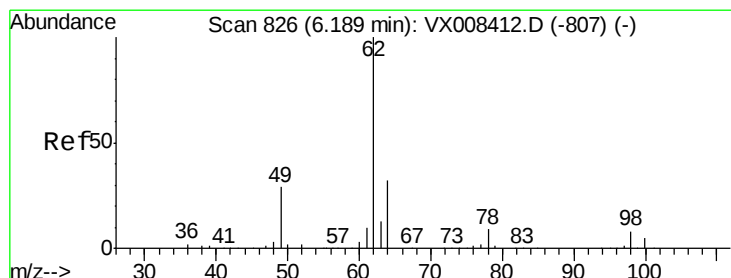
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	42.6	64.0	
67	66.1	52.2	78.4	
52	26.2	21.4	32.0	



Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

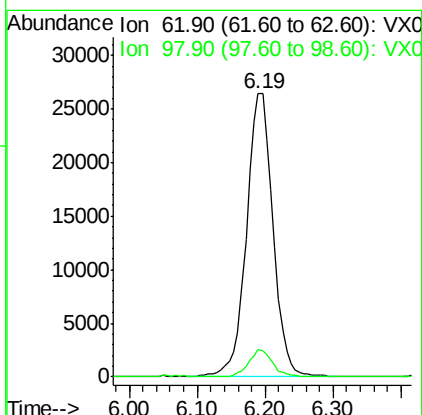
Manual Integrations
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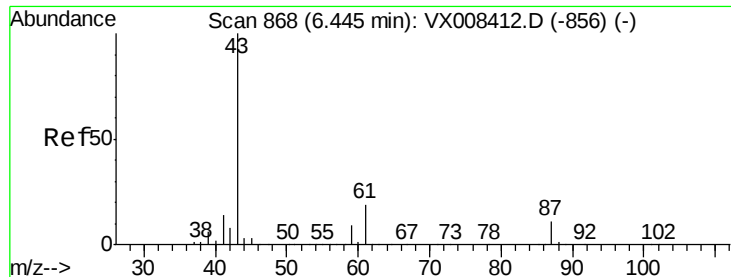
MMDadoda
3/29/2019 10:51:41 AM



#42
1,2-Dichloroethane
Concen: 19.276 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.6	





#43

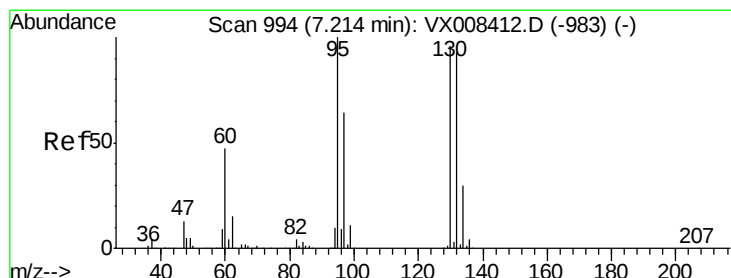
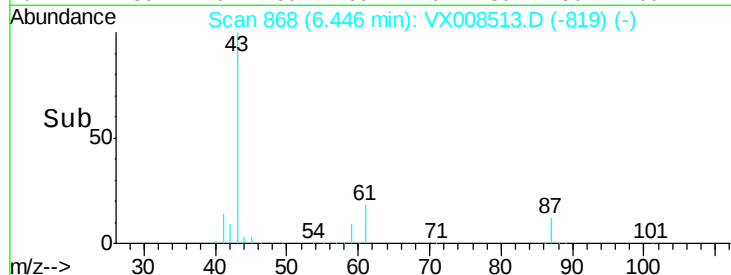
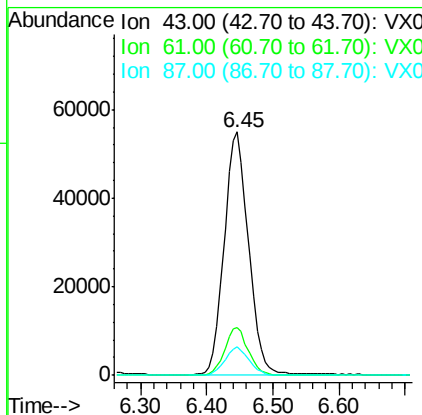
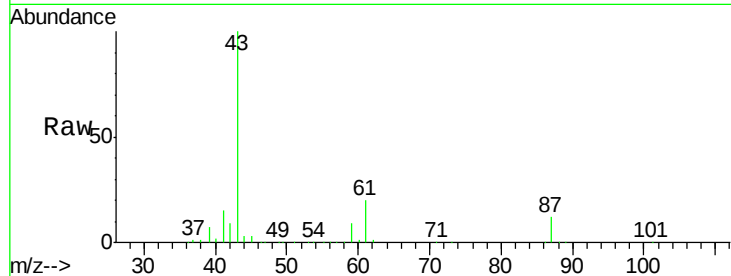
Isopropyl Acetate
 Concen: 19.727 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	11.6	9.1	13.7

Manual Integrations
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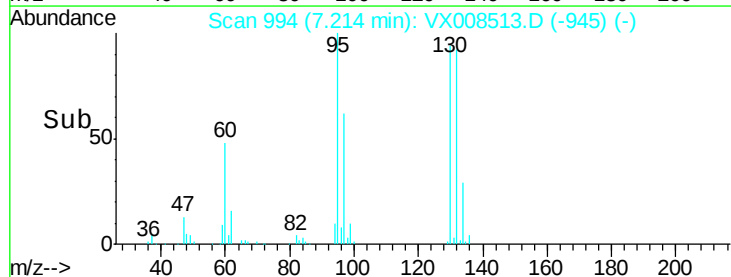
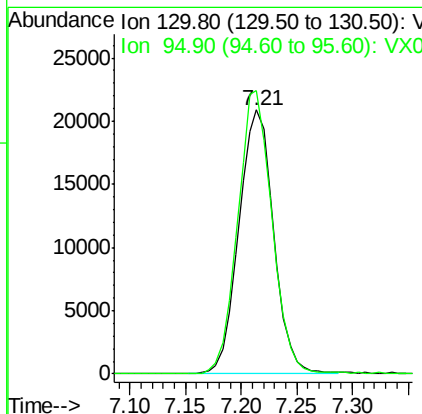
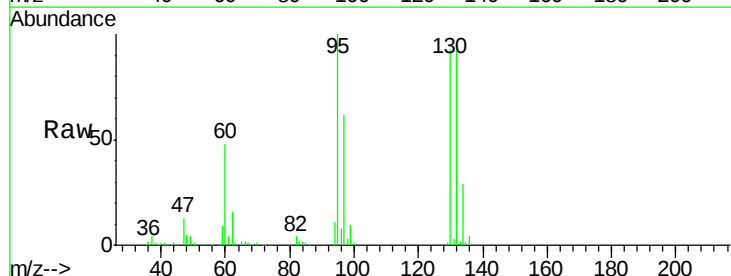
MMDadoda
 3/29/2019 10:51:41 AM

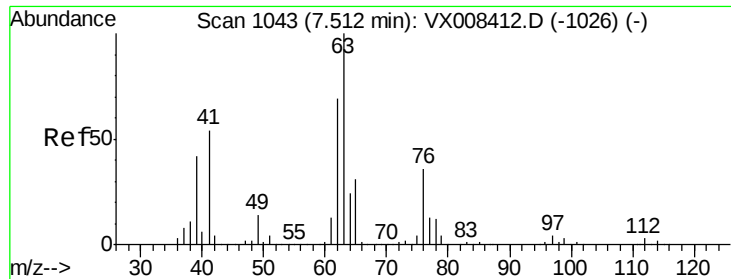


#44

Trichloroethene
 Concen: 18.863 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	208.8





#45

1,2-Dichloropropane

Concen: 19.795 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 63 Resp: 57435

Ion Ratio Lower Upper

63 100

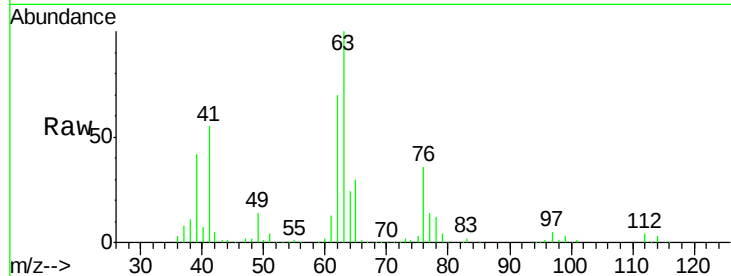
65 29.9 25.1 37.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

30000

25000

20000

15000

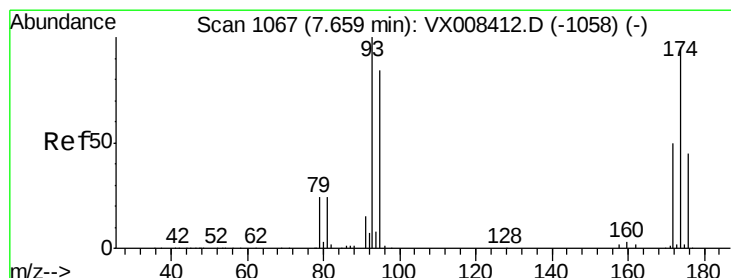
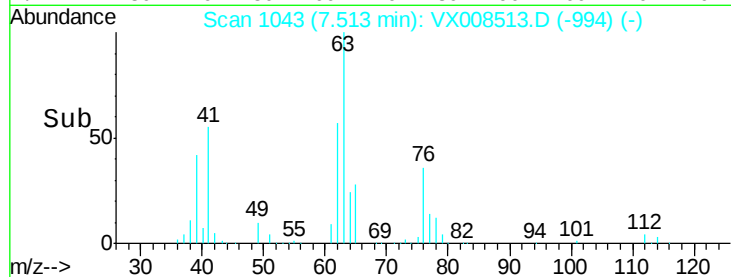
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 19.234 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

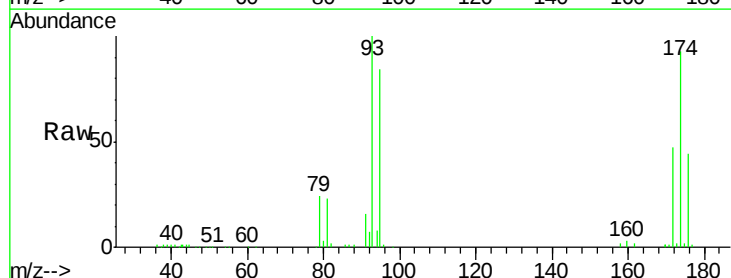
Tgt Ion: 93 Resp: 32589

Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.6

174 95.0 76.0 114.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.66

20000

15000

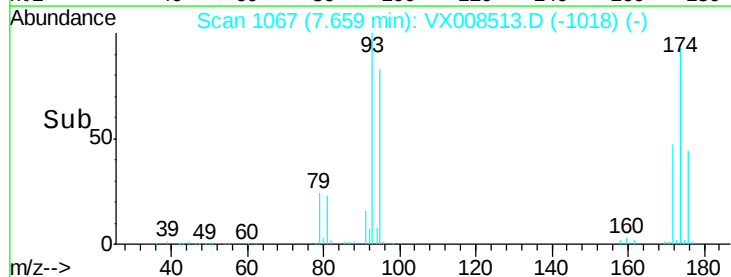
10000

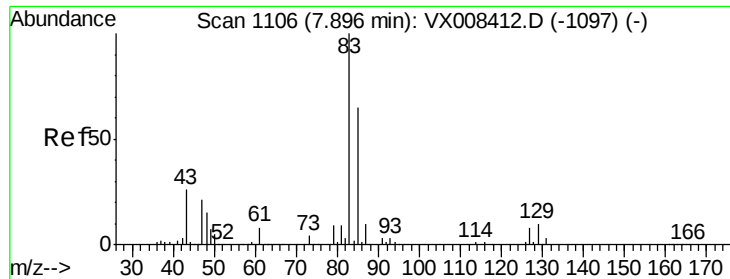
5000

0

Time-->

7.60 7.70





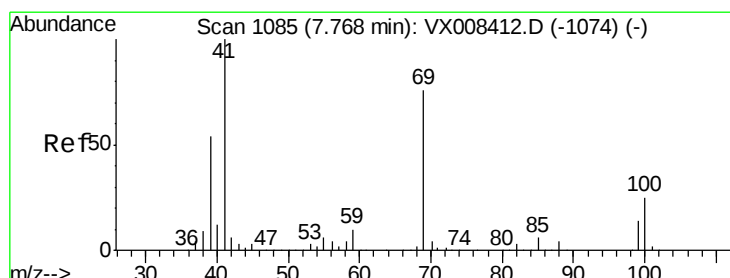
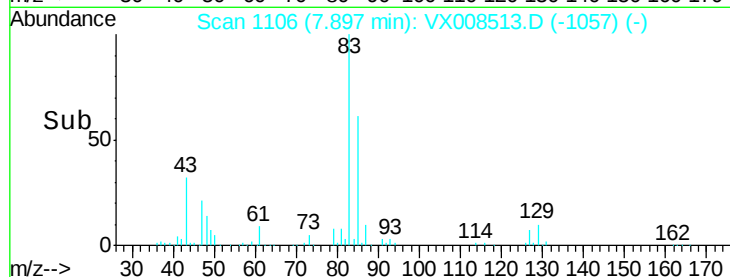
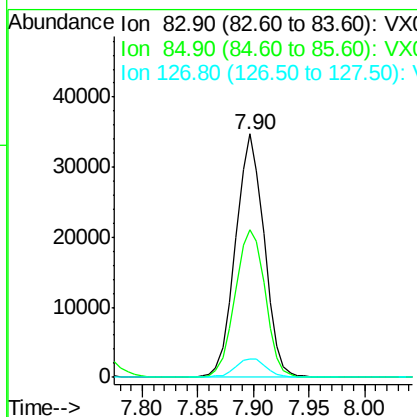
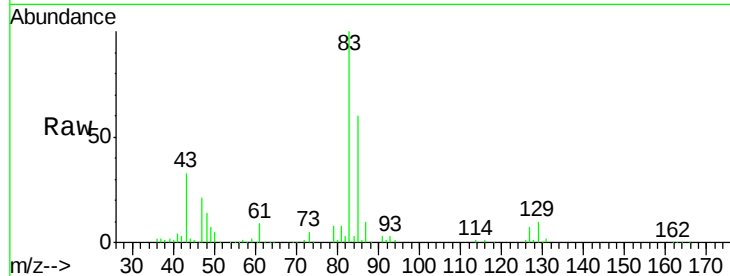
#47
Bromodichloromethane
Concen: 19.122 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	83	Resp	62013
Ion Ratio	100	Lower	Upper
83	100		
85	60.4	52.0	78.0
127	7.4	6.4	9.6

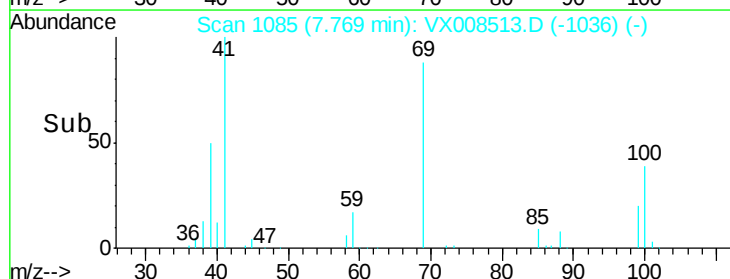
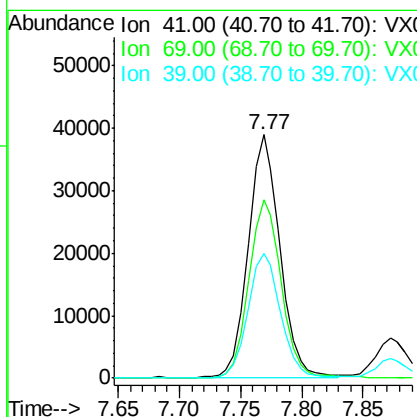
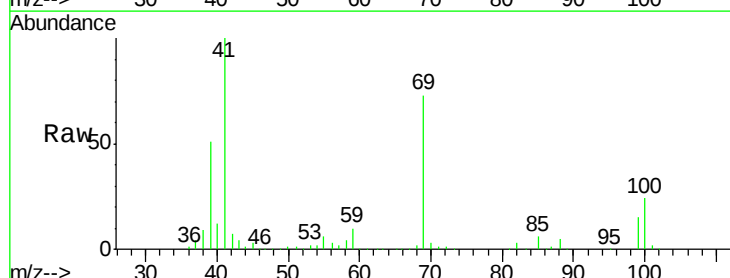
Manual Integrations
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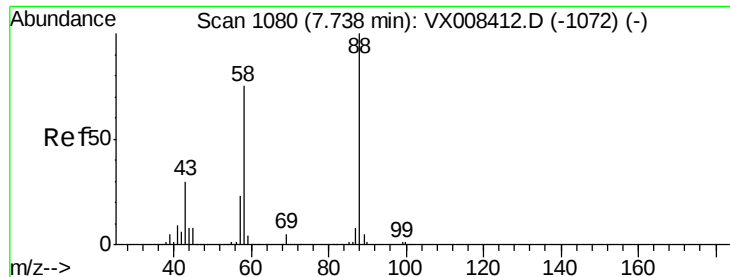
MMDadoda
3/29/2019 10:51:41 AM



#48
Methyl methacrylate
Concen: 19.836 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	41	Resp	70125
Ion Ratio	100	Lower	Upper
41	100		
69	75.4	60.8	91.2
39	53.5	42.3	63.5





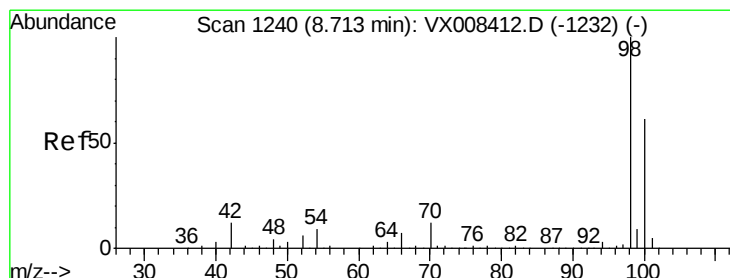
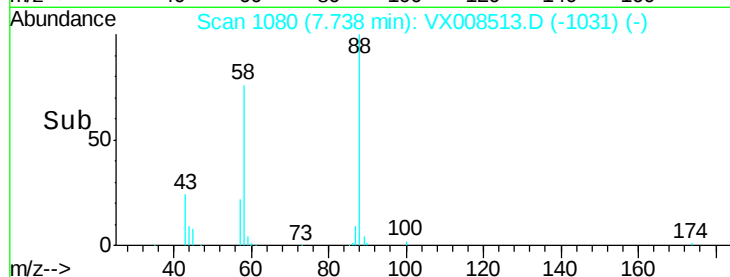
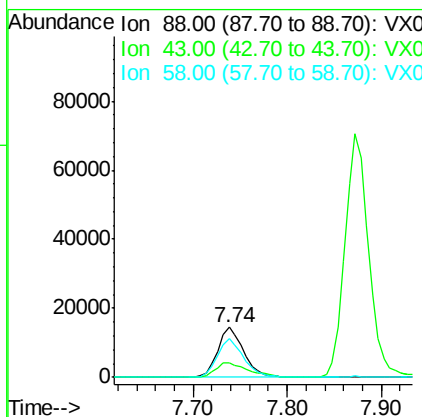
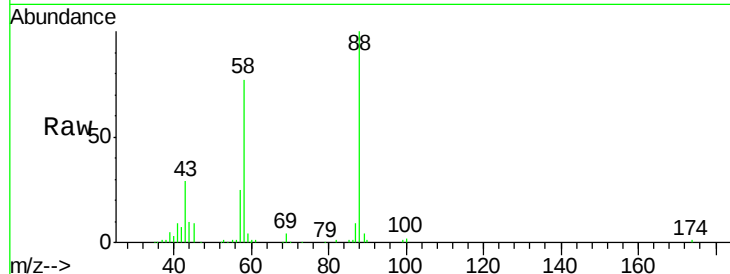
#49
1,4-Dioxane
Concen: 396.377 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.6	43.0
58	79.1	63.0	94.4

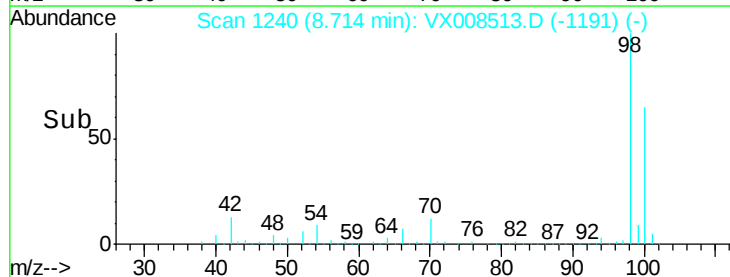
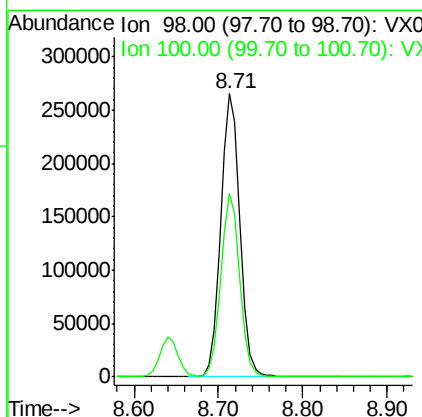
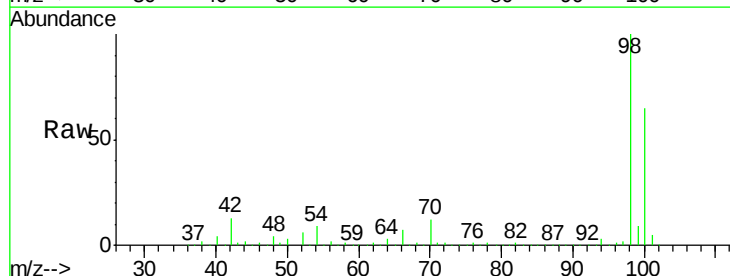
Manual Integrations
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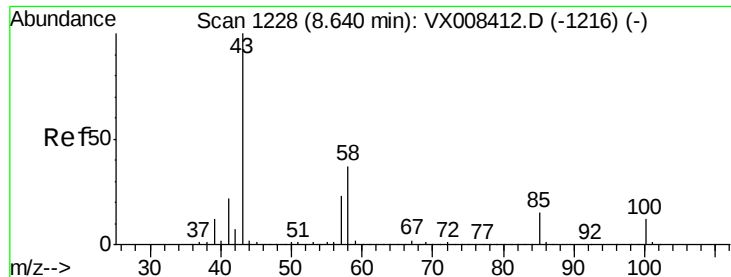
MMDadoda
3/29/2019 10:51:41 AM



#50
Toluene-d8
Concen: 50.054 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 100.997 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 43 Resp: 463488

Ion Ratio Lower Upper

43 100

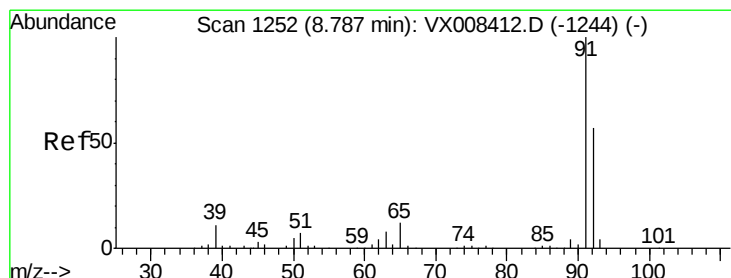
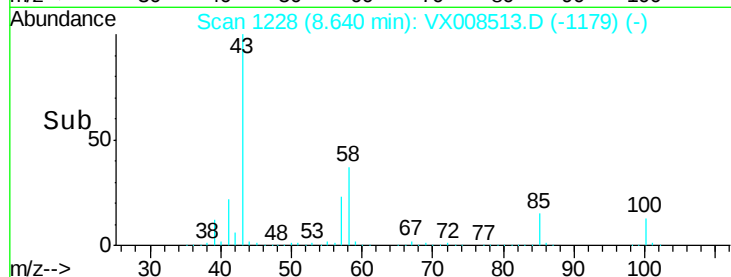
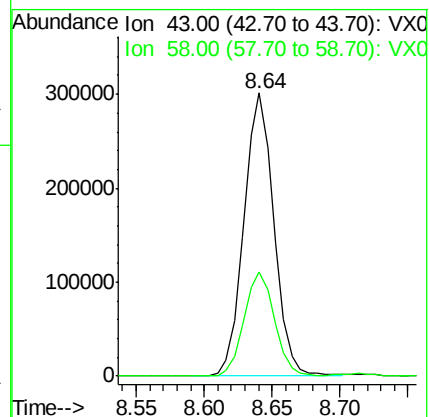
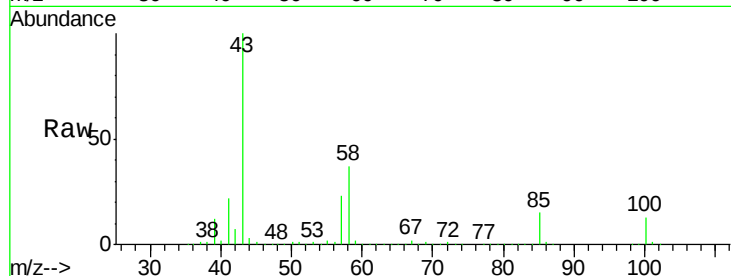
58 37.2 29.8 44.8

Manual Integrations

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MMDadoda

3/29/2019 10:51:41 AM



#52

Toluene

Concen: 19.822 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008513.D

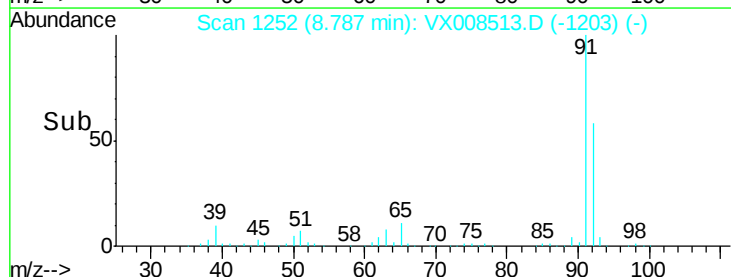
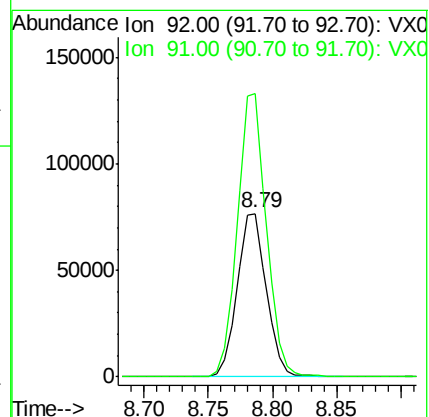
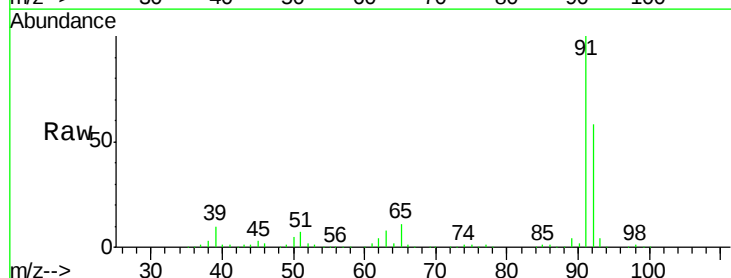
Acq: 28 Mar 2019 12:44

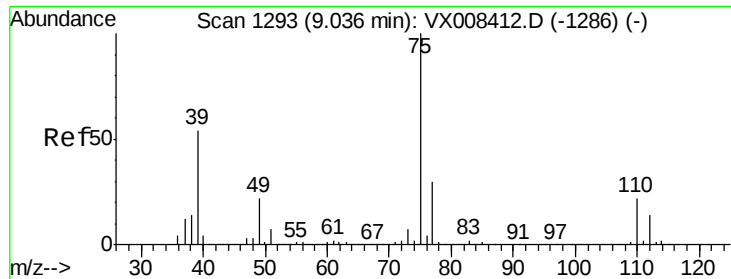
Tgt Ion: 92 Resp: 120990

Ion Ratio Lower Upper

92 100

91 173.0 140.2 210.4





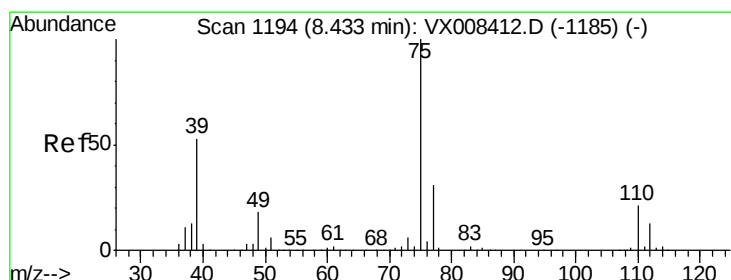
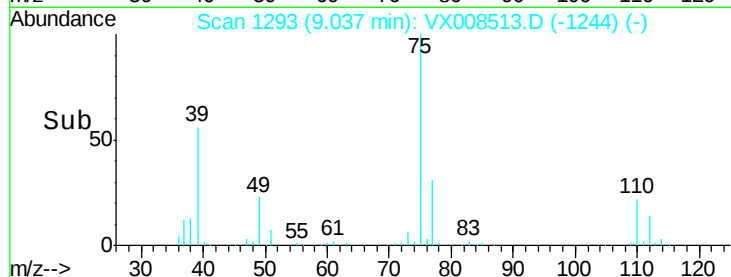
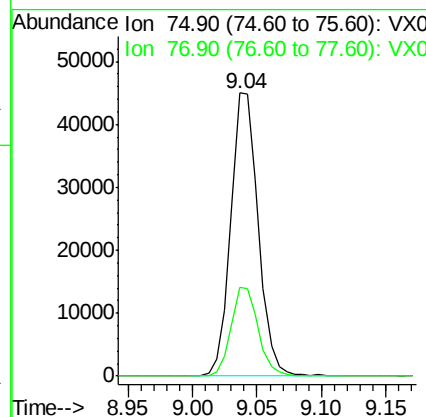
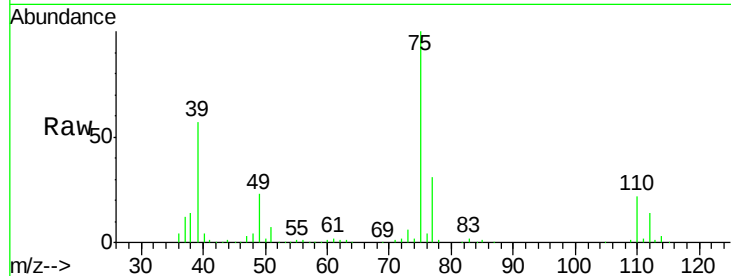
#53
 t-1,3-Dichloropropene
 Concen: 19.048 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.3	36.5

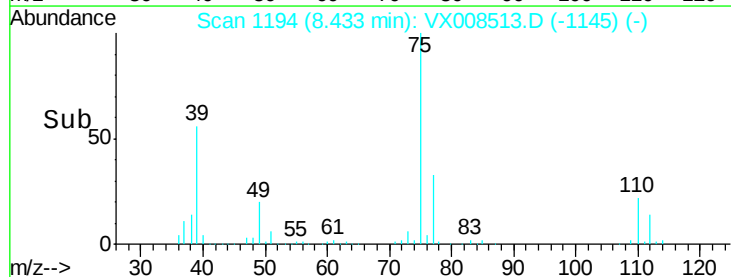
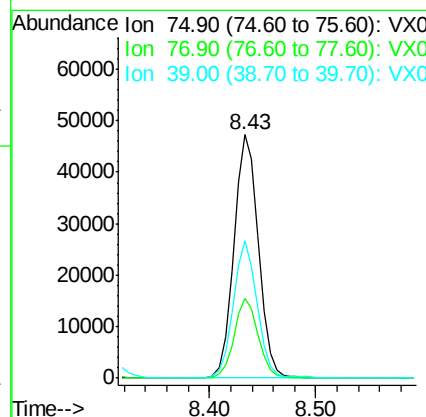
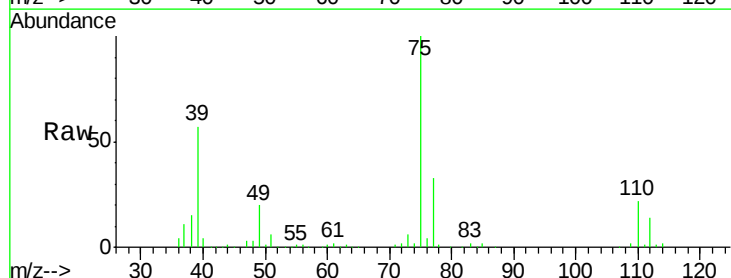
Manual Integrations
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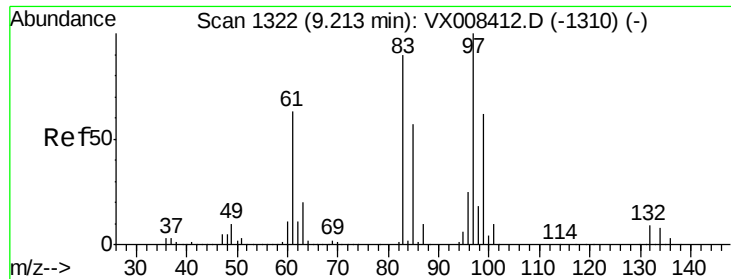
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 3/29/2019 10:51:41 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.924 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.7	37.1
39	56.4	42.4	63.6





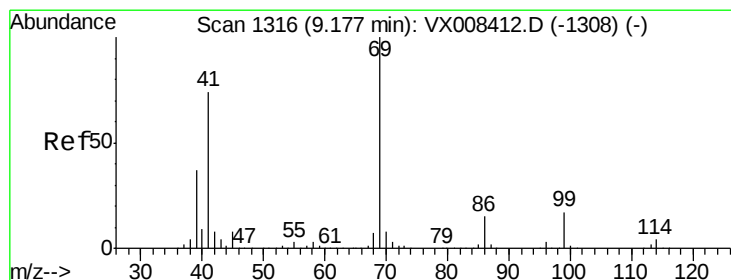
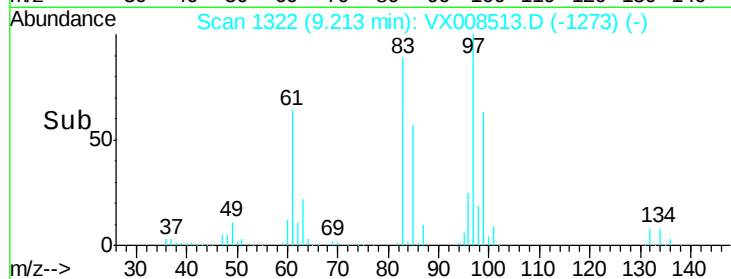
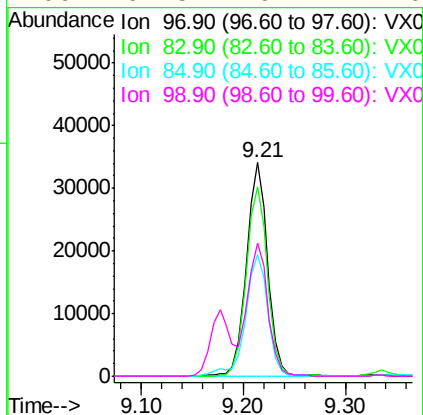
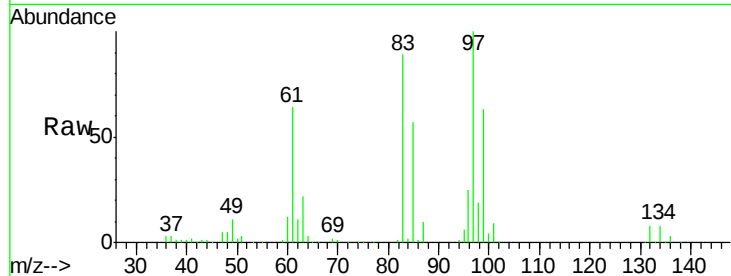
#55
 1,1,2-Trichloroethane
 Concen: 19.843 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328MBS01

Tot Ion:	97	Resp:	49302
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.8	107.6
85	56.8	45.9	68.9
99	62.5	49.4	74.0

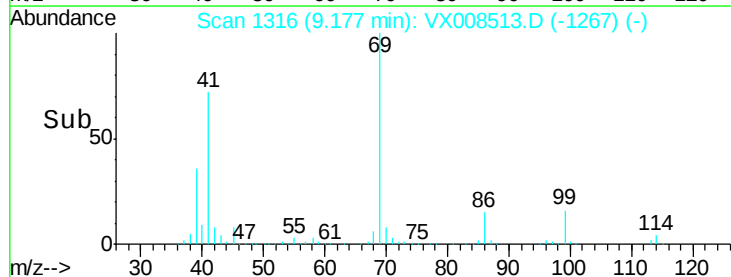
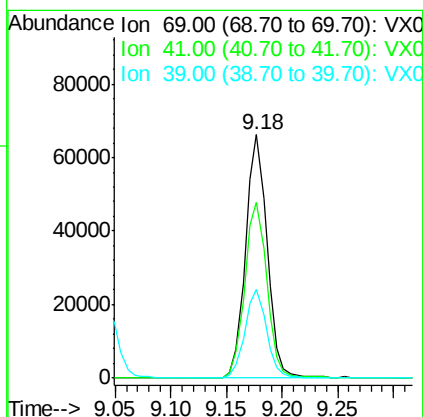
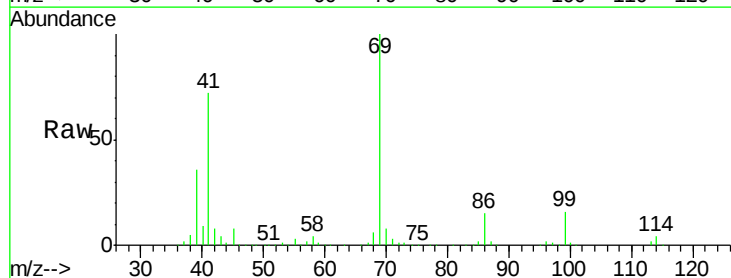
Manual Integrations
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 3/29/2019 10:51:41 AM



#56
 Ethyl methacrylate
 Concen: 19.930 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Tgt Ion:	69	Resp:	89387
Ion	Ratio	Lower	Upper
69	100		
41	74.0	59.5	89.3
39	36.3	29.3	43.9





#57

1,3-Dichloropropane

Concen: 19.503 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 76 Resp: 86879

Ion Ratio Lower Upper

76 100

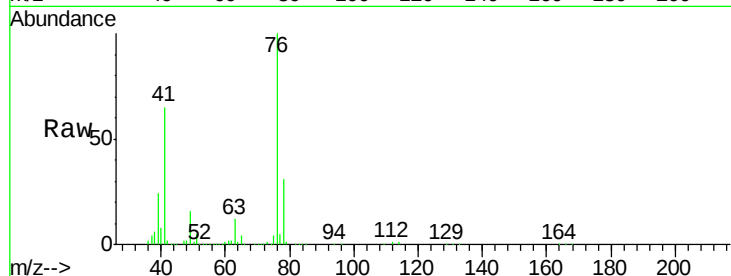
78 31.5 25.8 38.8

Manual Integrations

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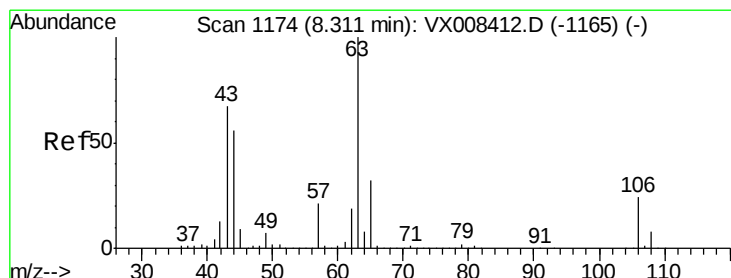
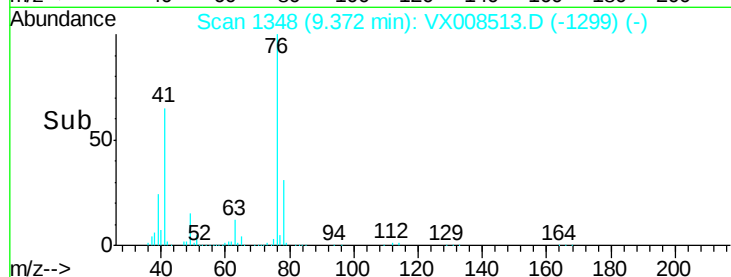
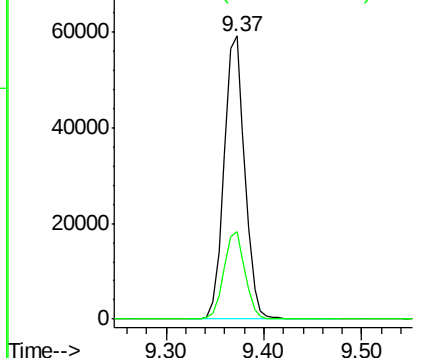
MMDadoda

3/29/2019 10:51:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 92.484 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008513.D

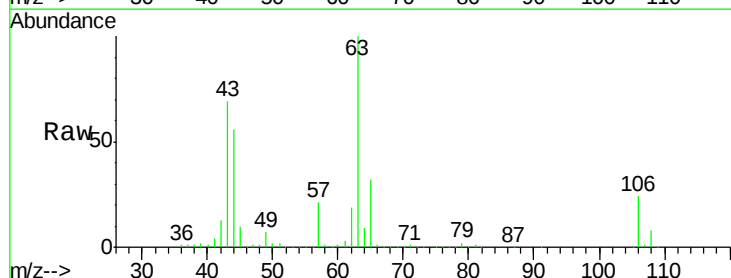
Acq: 28 Mar 2019 12:44

Tgt Ion: 63 Resp: 214411

Ion Ratio Lower Upper

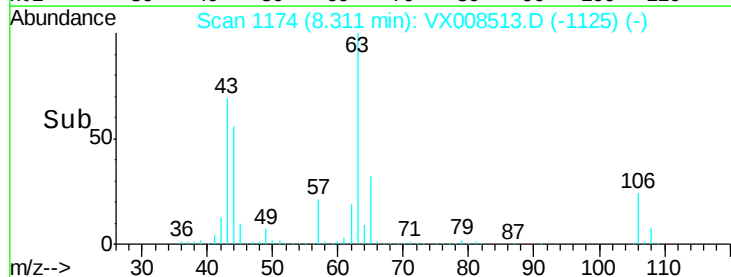
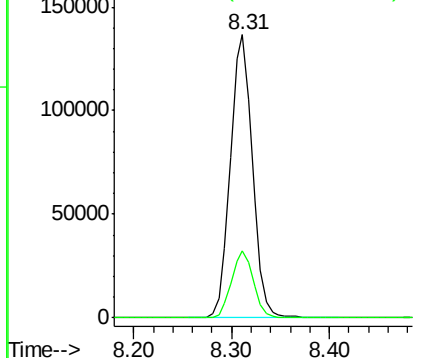
63 100

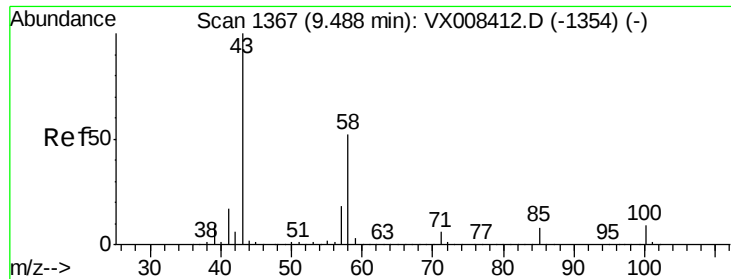
106 23.6 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





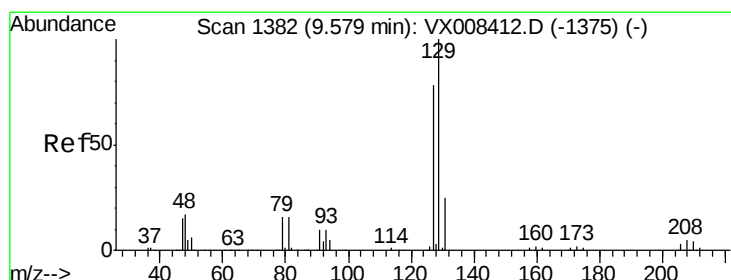
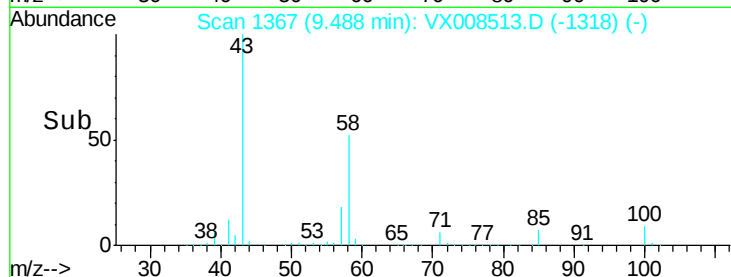
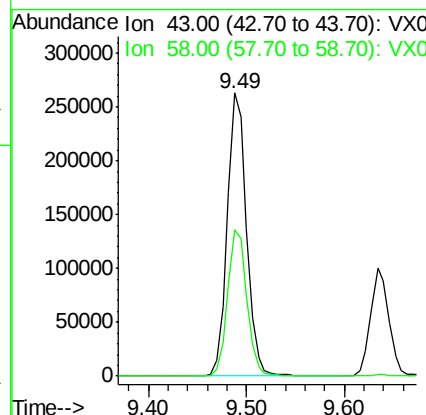
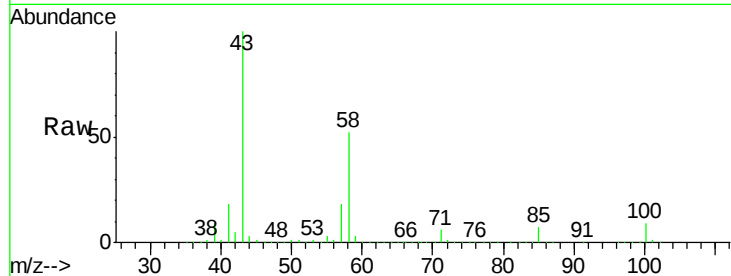
#59
2-Hexanone
Concen: 101.007 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion: 43 Resp: 359171
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.9

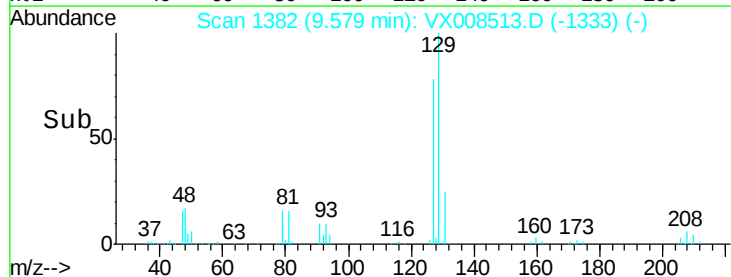
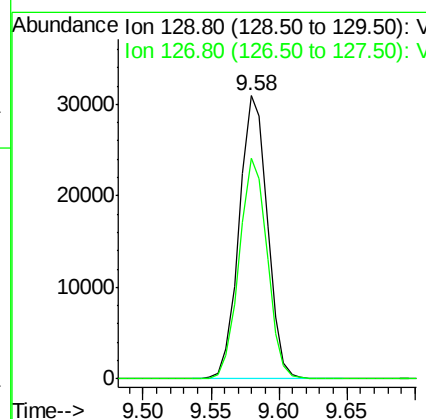
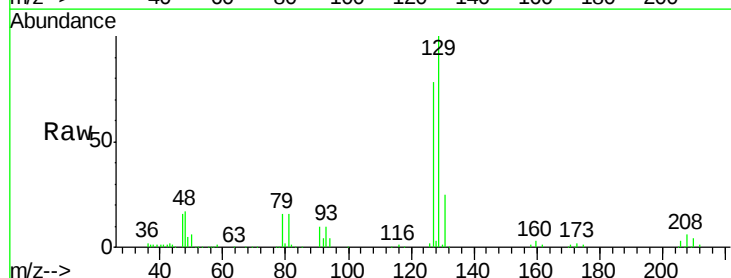
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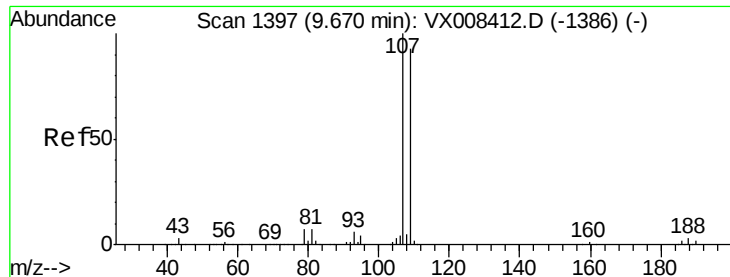
MMDadoda
3/29/2019 10:51:41 AM



#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion: 129 Resp: 44811
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.625 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion:107 Resp: 49760

Ion Ratio Lower Upper

107 100

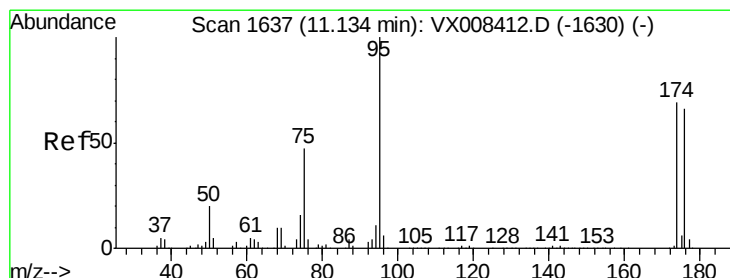
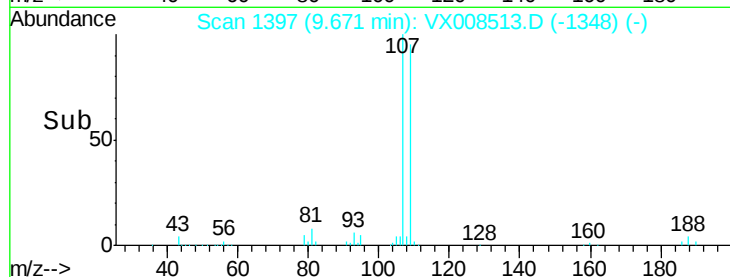
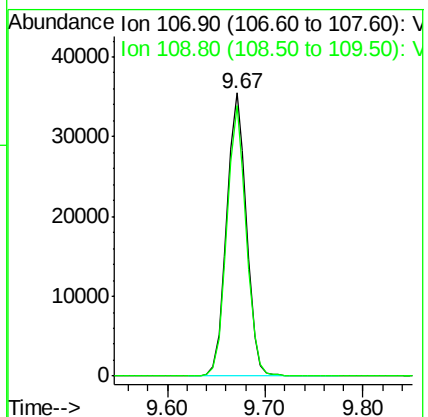
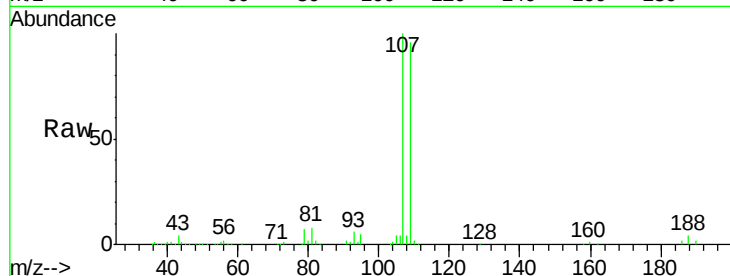
109 93.5 74.6 111.8

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#62

4-Bromofluorobenzene

Concen: 49.919 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

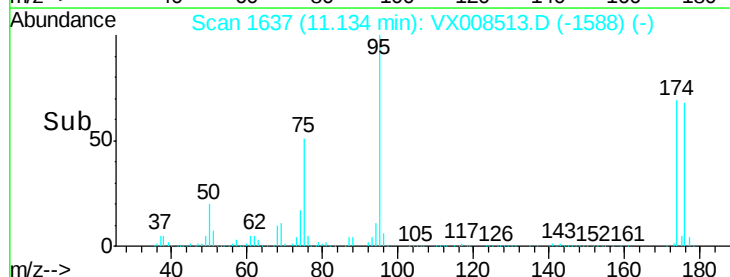
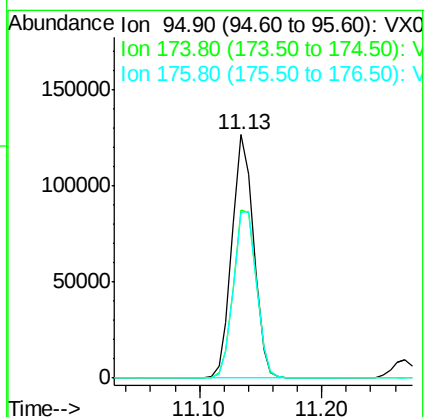
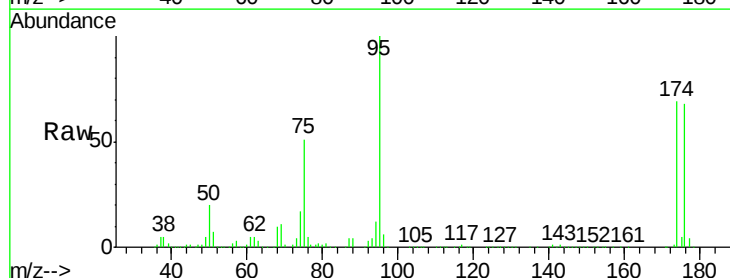
Tgt Ion: 95 Resp: 154240

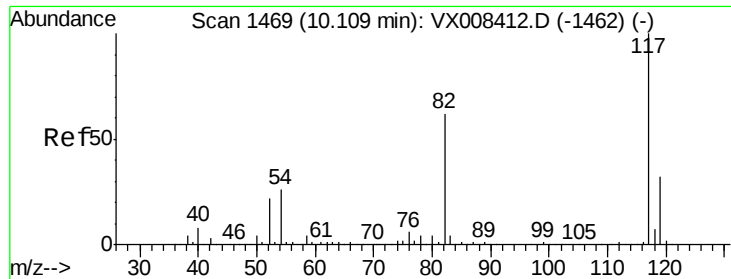
Ion Ratio Lower Upper

95 100

174 73.2 0.0 147.2

176 72.7 0.0 142.4





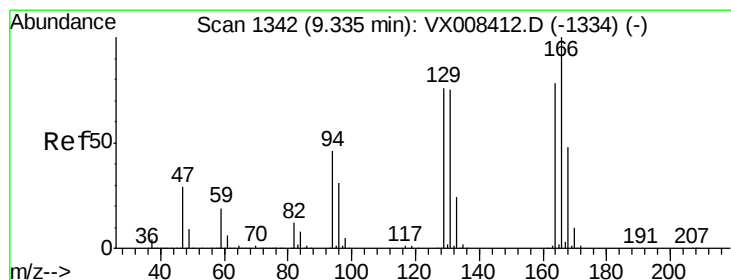
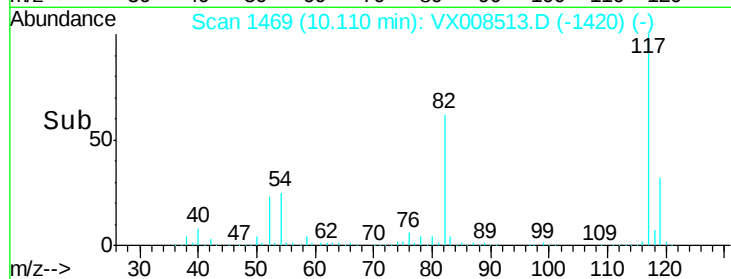
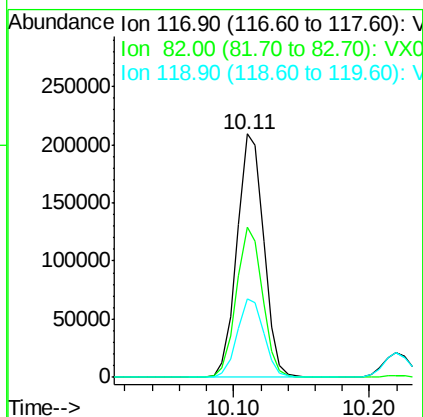
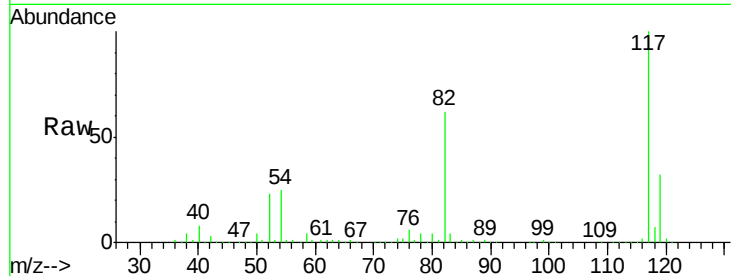
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.4	74.2
119	32.1	25.4	38.0

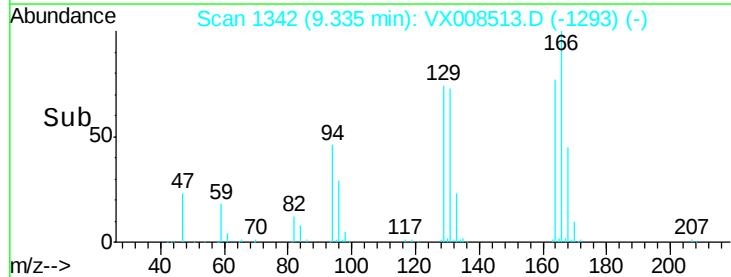
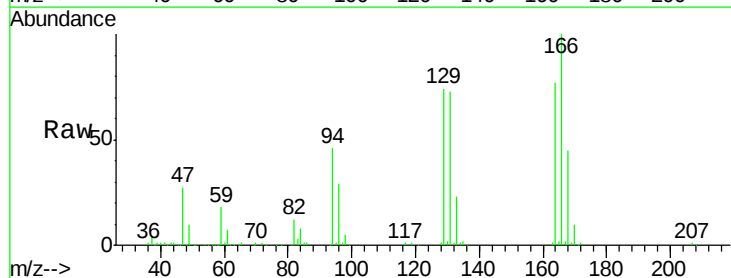
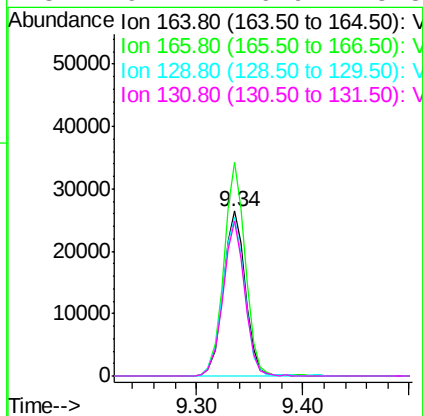
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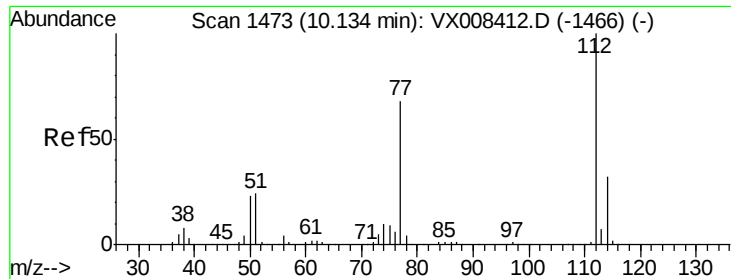
MMDadoda
3/29/2019 10:51:41 AM



#64
Tetrachloroethene
Concen: 19.666 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	102.5	153.7
129	96.6	77.8	116.8
131	94.4	76.9	115.3





#65

Chlorobenzene

Concen: 19.534 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion:112 Resp: 121740

Ion Ratio Lower Upper

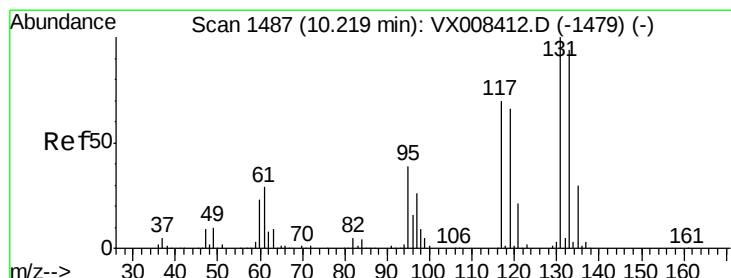
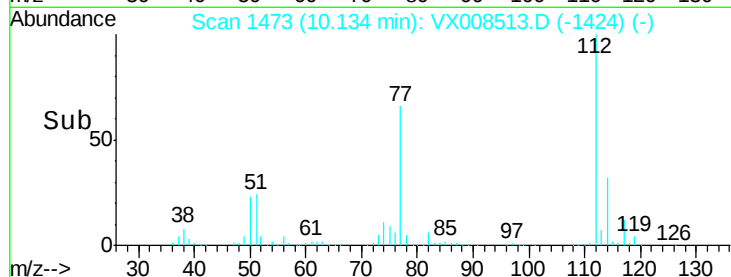
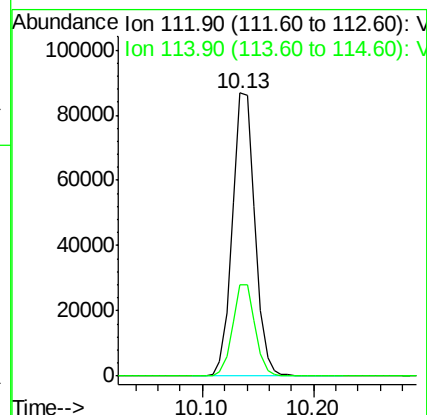
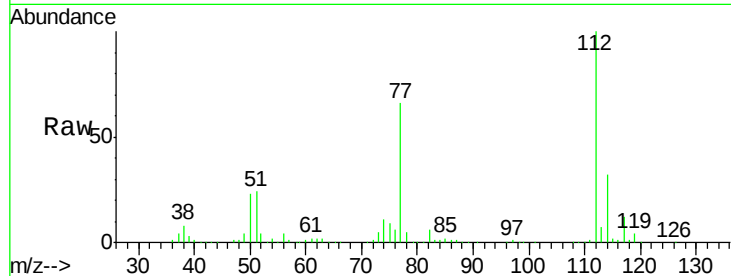
112 100

114 32.4 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.412 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

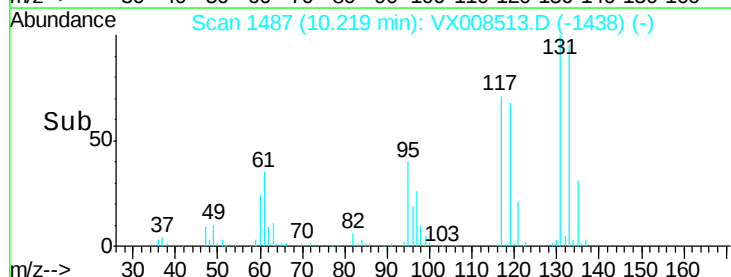
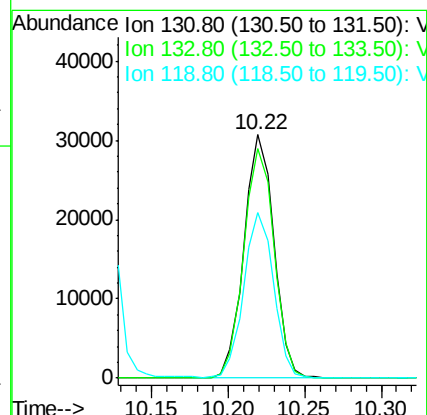
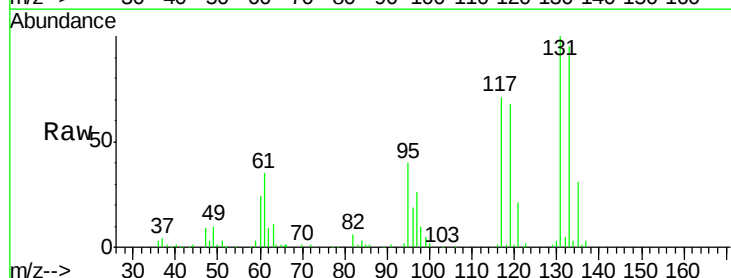
Tgt Ion:131 Resp: 41739

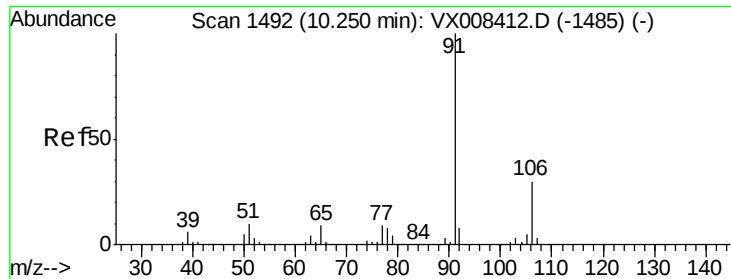
Ion Ratio Lower Upper

131 100

133 96.0 47.3 141.8

119 68.4 33.6 100.6





#67

Ethyl Benzene

Concen: 19.531 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 91 Resp: 229732

Ion Ratio Lower Upper

91 100

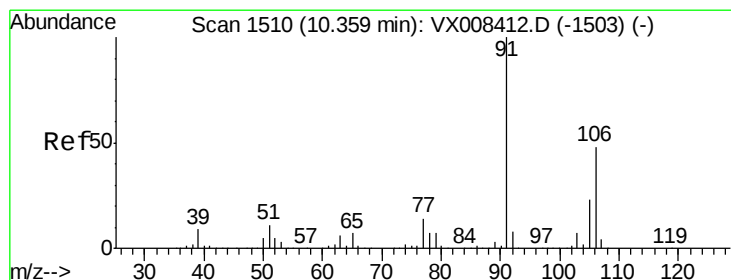
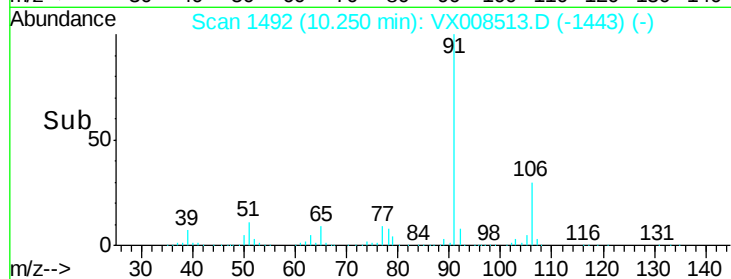
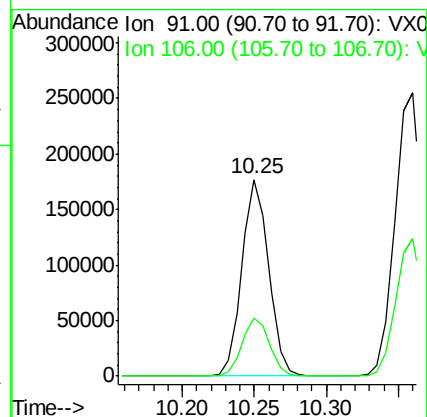
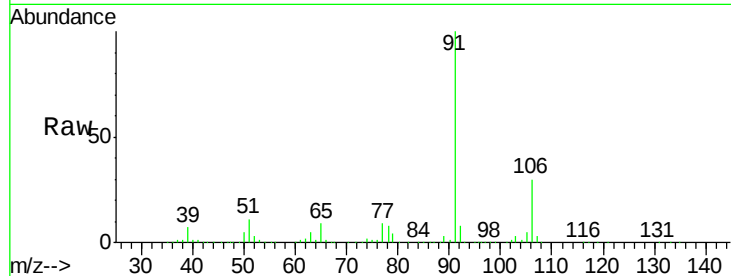
106 29.6 24.0 36.0

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#68

m/p-Xylenes

Concen: 39.090 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008513.D

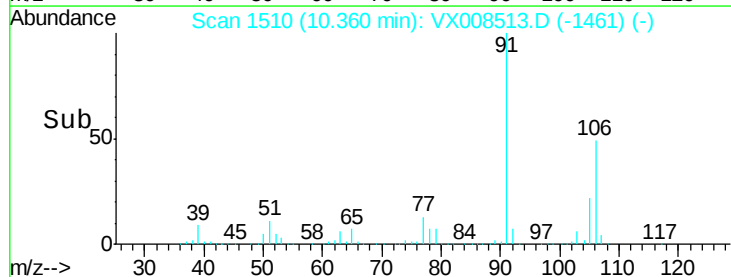
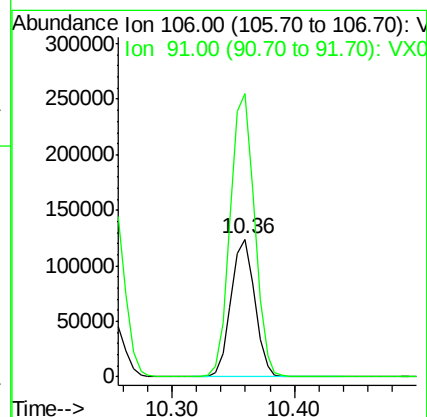
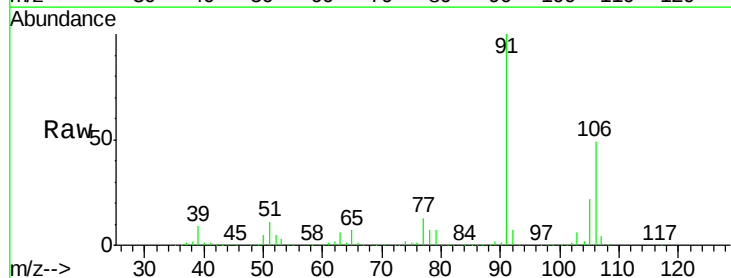
Acq: 28 Mar 2019 12:44

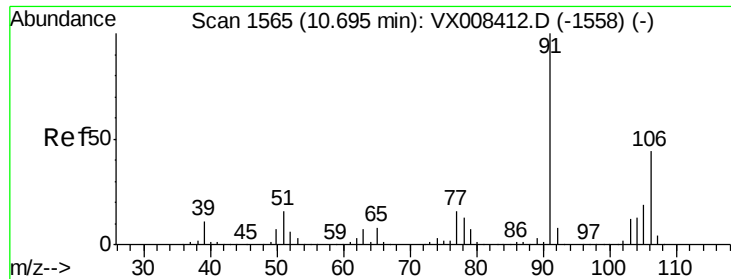
Tgt Ion: 106 Resp: 167267

Ion Ratio Lower Upper

106 100

91 209.3 168.6 253.0





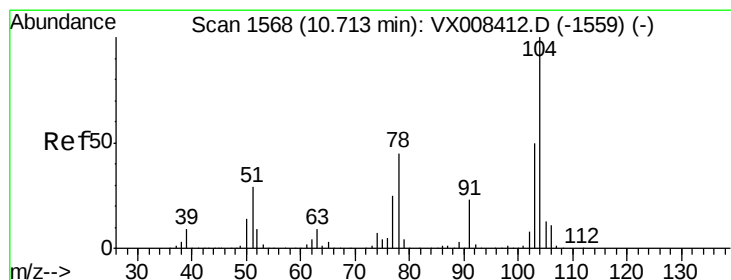
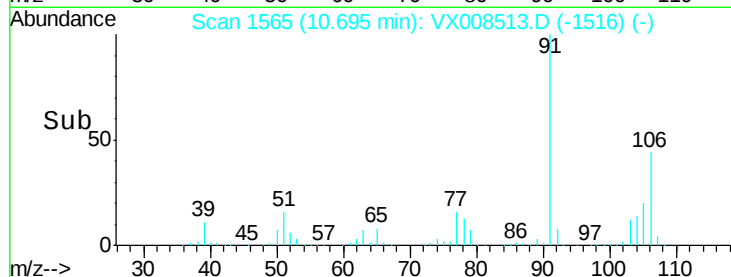
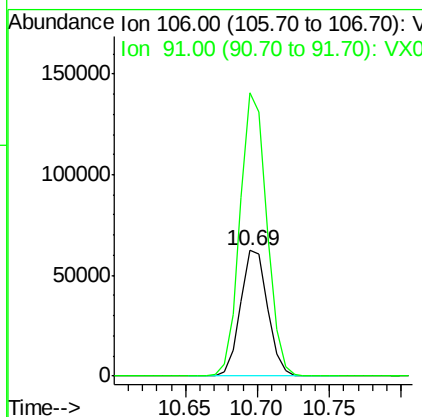
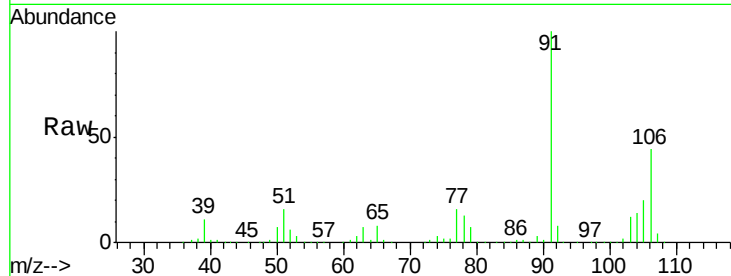
#69
o-Xylene
Concen: 19.700 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion:106 Resp: 81803
Ion Ratio Lower Upper
106 100
91 223.4 111.4 334.2

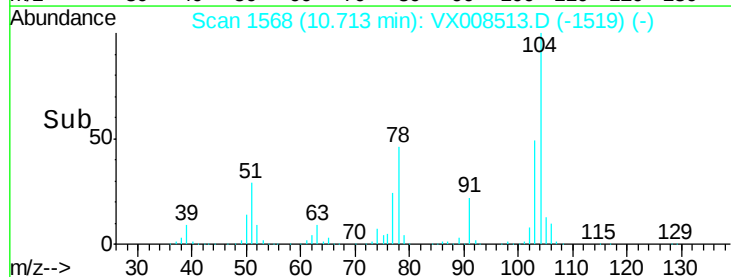
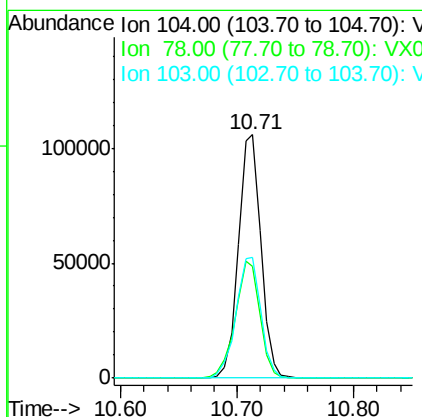
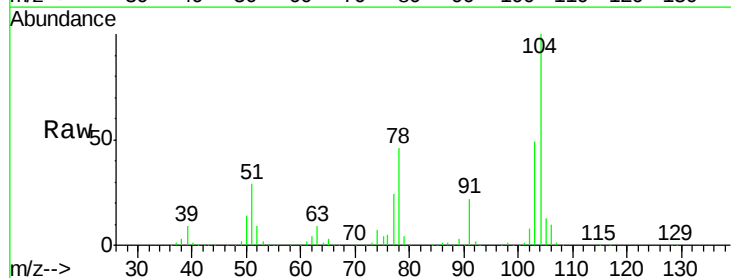
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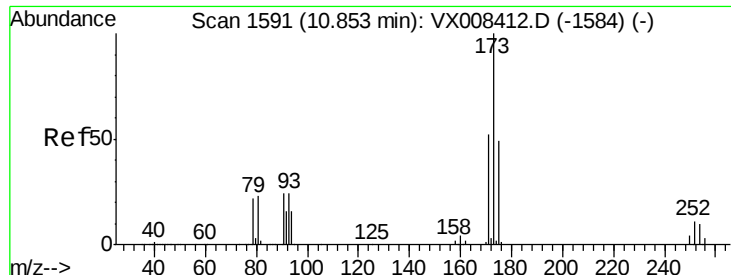
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#70
Styrene
Concen: 19.943 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion:104 Resp: 143045
Ion Ratio Lower Upper
104 100
78 52.6 42.5 63.7
103 54.8 44.2 66.4





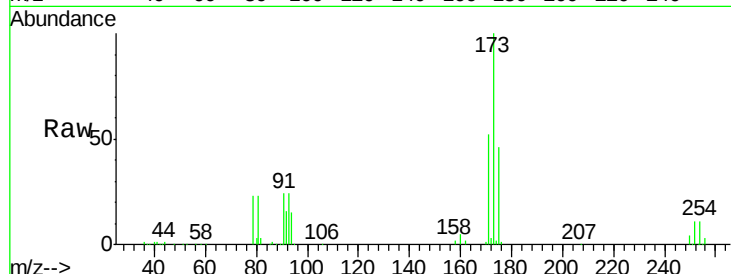
#71
Bromoform
Concen: 18.341 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

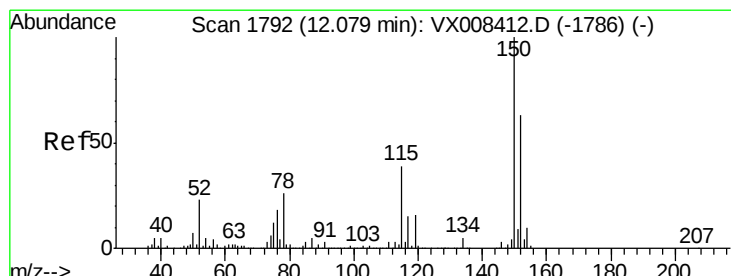
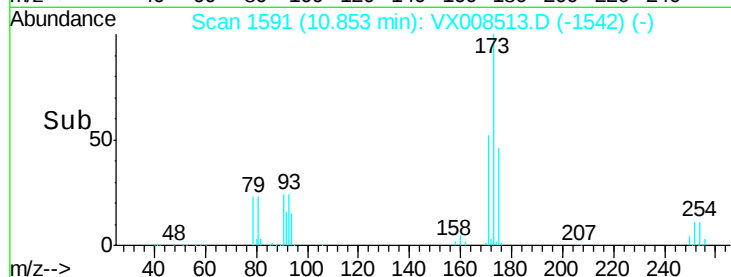
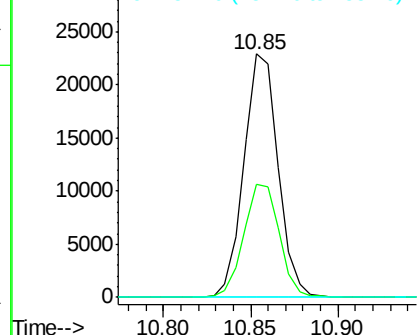
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.3	24.3	72.8	
254	0.1	0.2	0.2	

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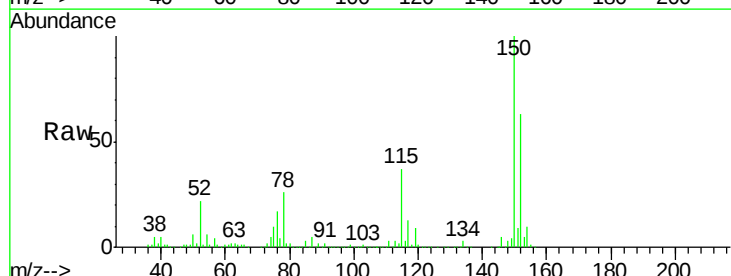


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

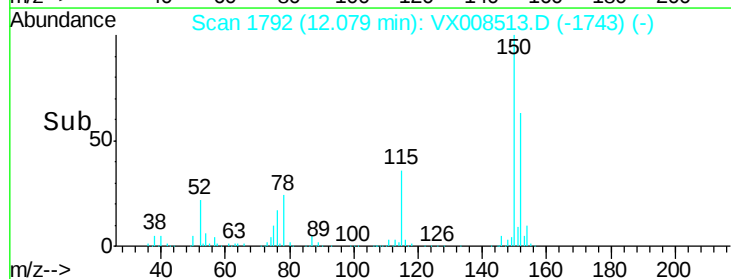
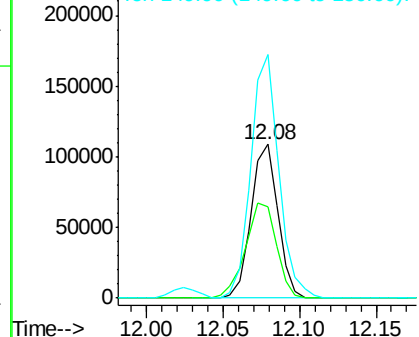


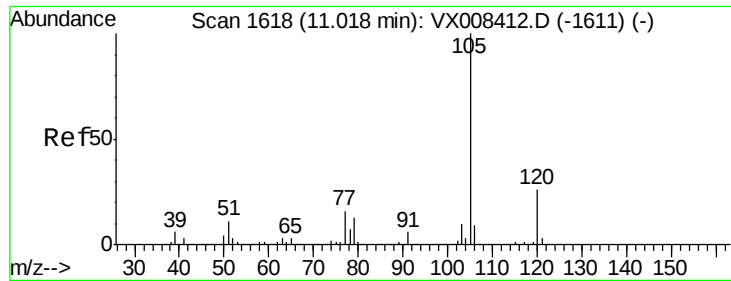
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	71.6	43.5	130.5	
150	165.0	0.0	348.8	



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





#73

Isopropylbenzene

Concen: 20.167 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 105 Resp: 217289

Ion Ratio Lower Upper

105 100

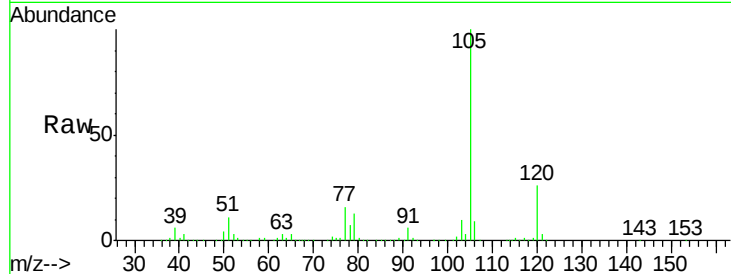
120 25.8 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

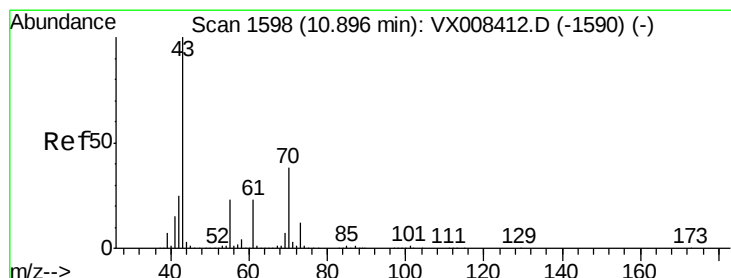
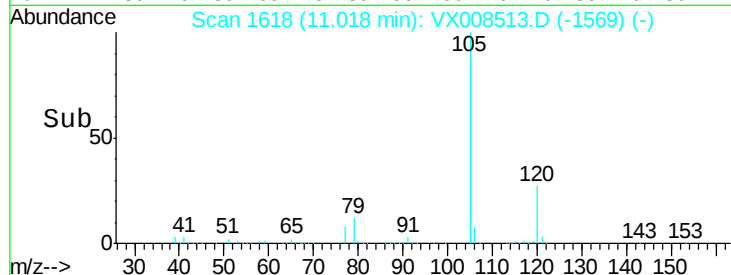
50000

0

11.02

10.95 11.00 11.05 11.10

Time-->



#74

N-ethyl acetate

Concen: 20.429 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Tgt Ion: 43 Resp: 127402

Ion Ratio Lower Upper

43 100

70 38.1 30.5 45.7

55 23.7 18.2 27.2

61 22.8 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

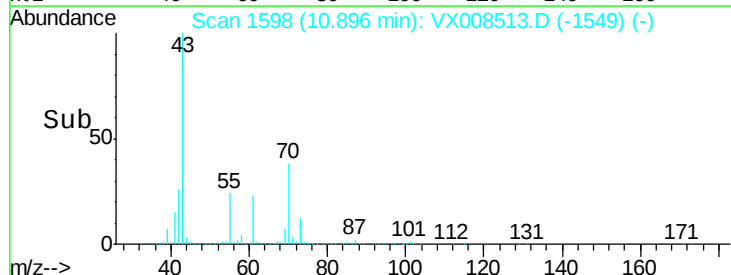
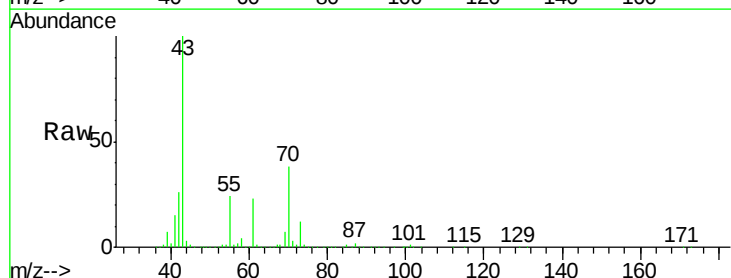
50000

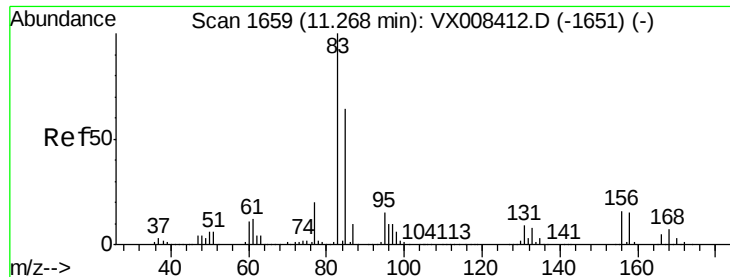
0

10.90

10.80 10.90 11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.665 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

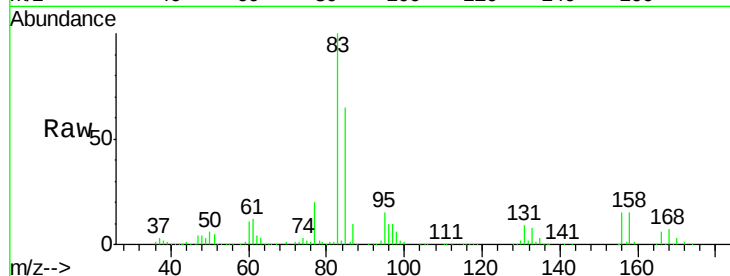
ClientSampleId :

VX0328MBS01

Tot Ion:	83	Resp:	82208
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.4
85	64.1	31.9	95.9

Manual Integrations
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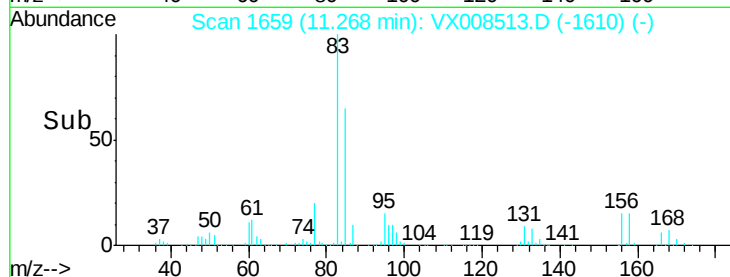


Abundance Ion 82.90 (82.60 to 83.60): VX0

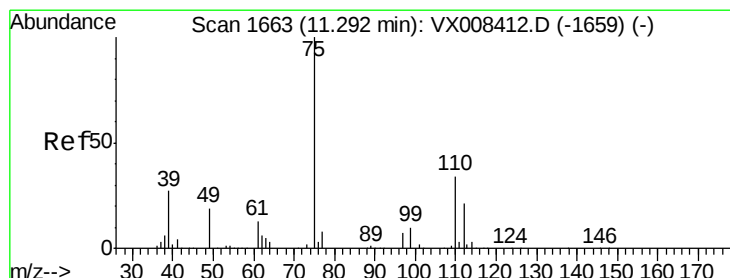
Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 17.750 ug/l m

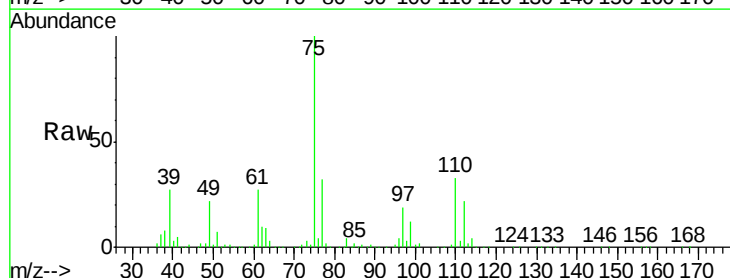
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

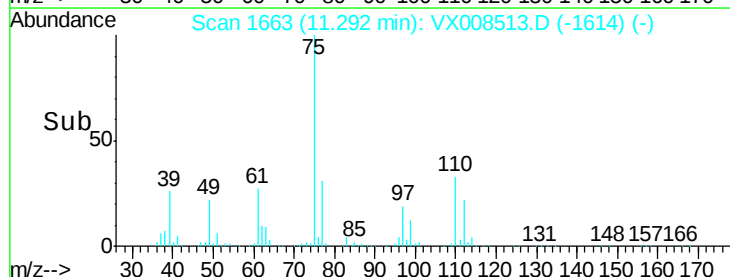
Tgt Ion:	75	Resp:	69886
Ion Ratio	Lower	Upper	
75	100		
77	41.8	21.9	65.7



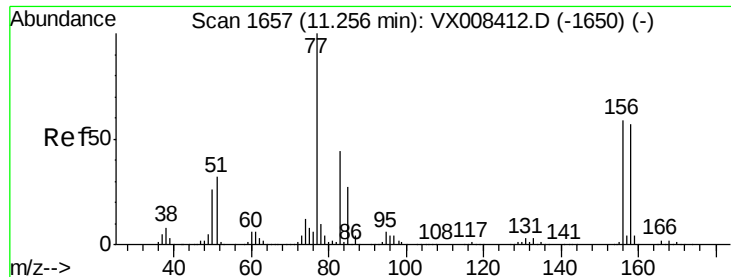
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->



Time-->



#77

Bromobenzene

Concen: 19.674 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

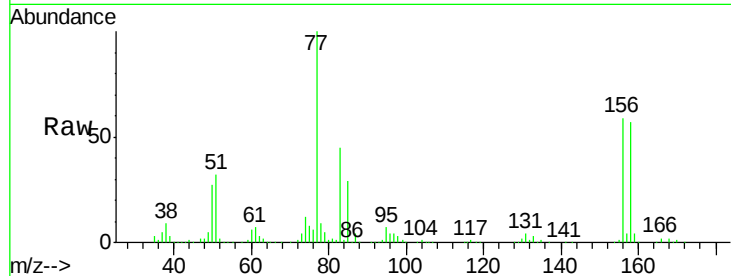
ClientSampleId :

VX0328MBS01

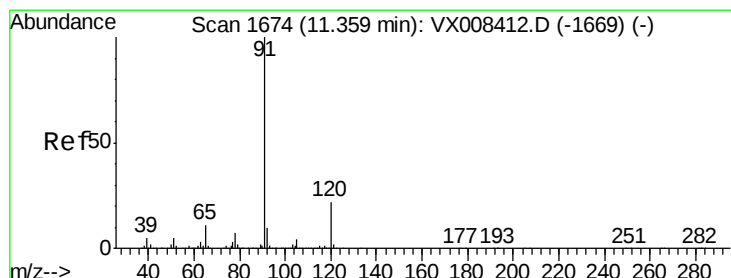
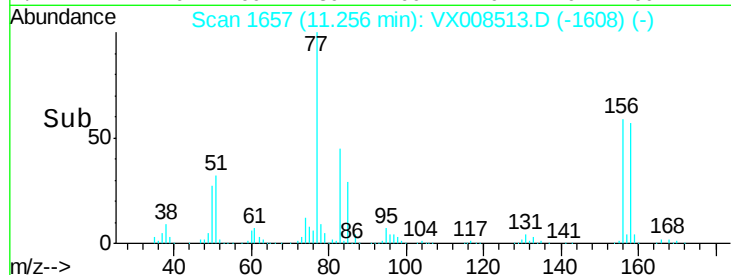
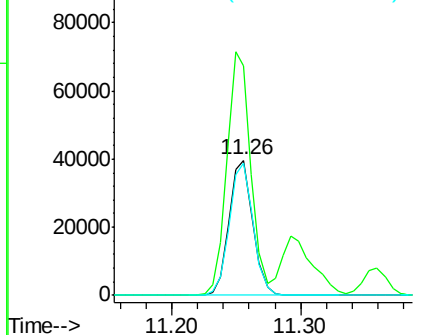
Tot Ion	156	Resp	51446
Ion Ratio	Lower	Upper	
156	100		
77	180.5	91.1	273.3
158	97.9	48.3	144.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.969 ug/l

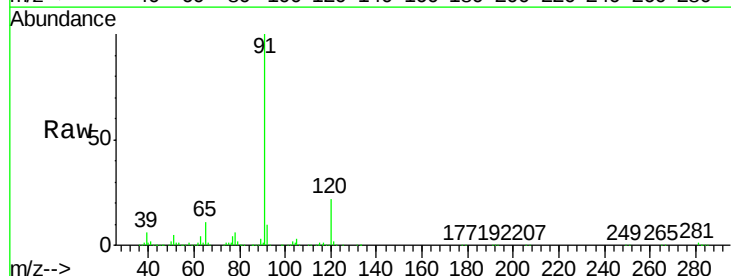
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

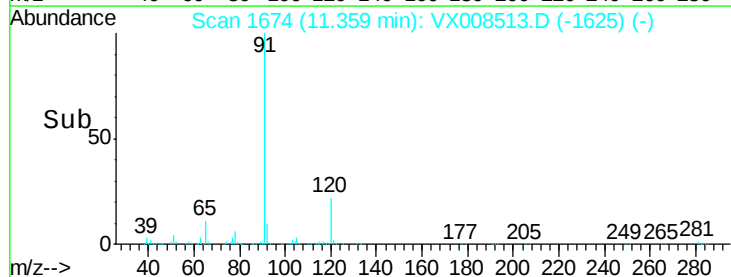
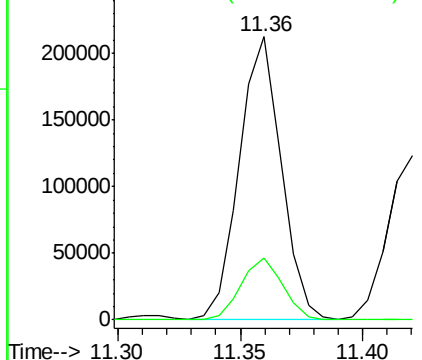
Lab File: VX008513.D

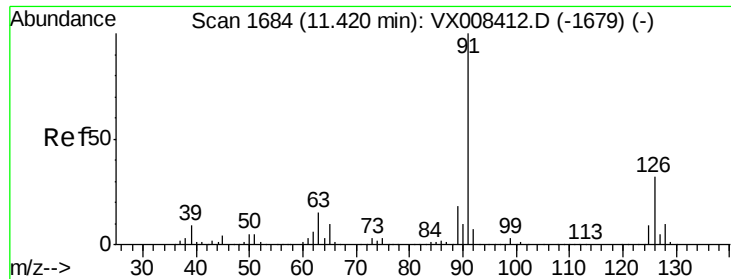
Acq: 28 Mar 2019 12:44

Tgt Ion	91	Resp	252039
Ion Ratio	Lower	Upper	
91	100		
120	22.0	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.842 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 91 Resp: 152326

Ion Ratio Lower Upper

91 100

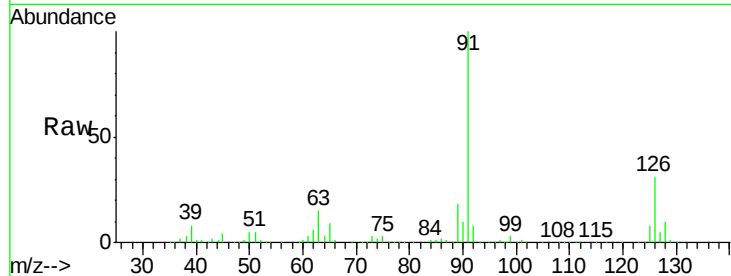
126 31.3 15.7 47.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008412.D (-1679) (-)

250000

200000

150000

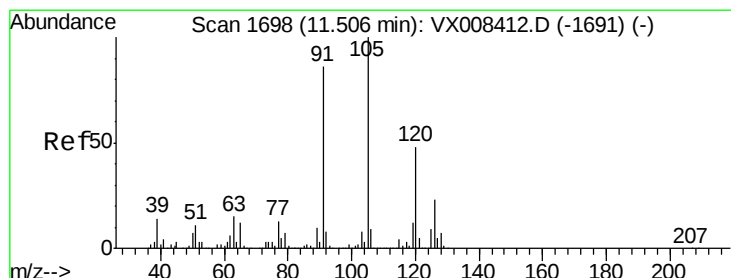
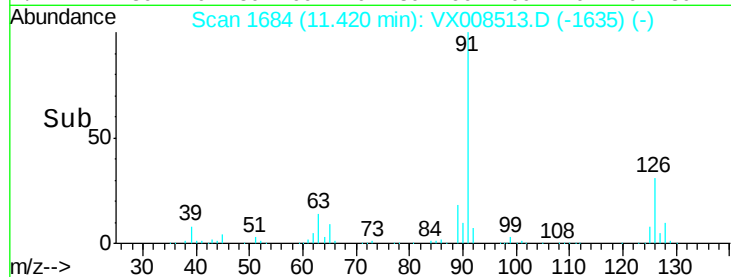
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.973 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008513.D

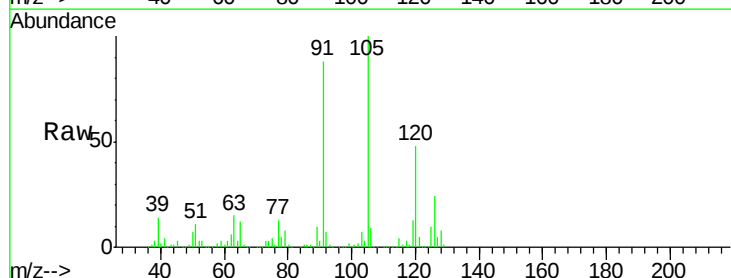
Acq: 28 Mar 2019 12:44

Tgt Ion: 105 Resp: 181935

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VX008412.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008412.D (-1691) (-)

150000

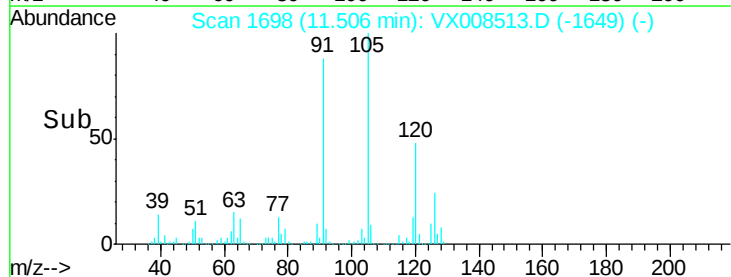
100000

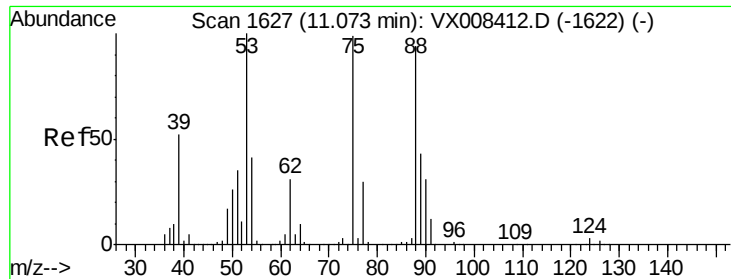
50000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.387 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion: 75 Resp: 22603

Ion Ratio Lower Upper

75 100

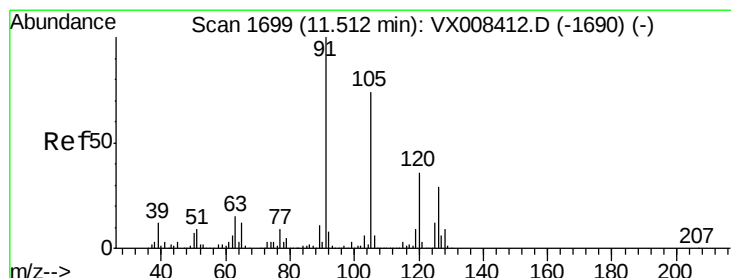
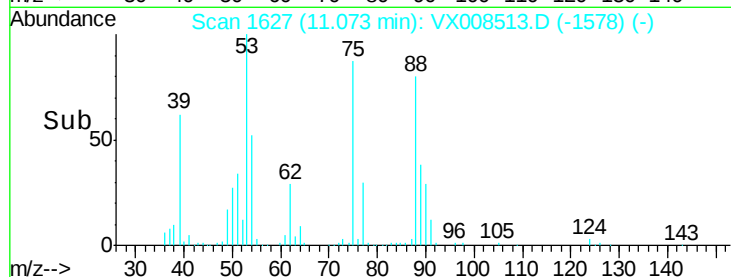
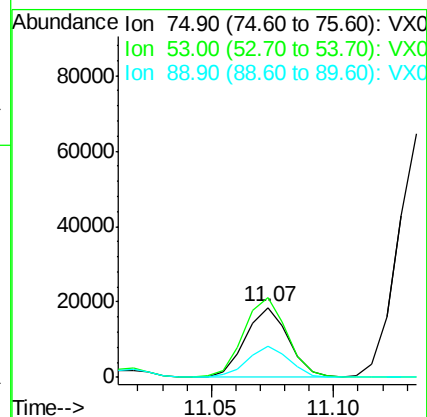
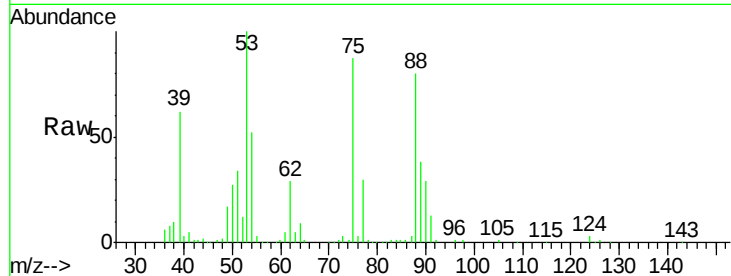
53 114.9 82.1 123.1

89 43.5 34.6 52.0

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#82

4-Chlorotoluene

Concen: 19.694 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008513.D

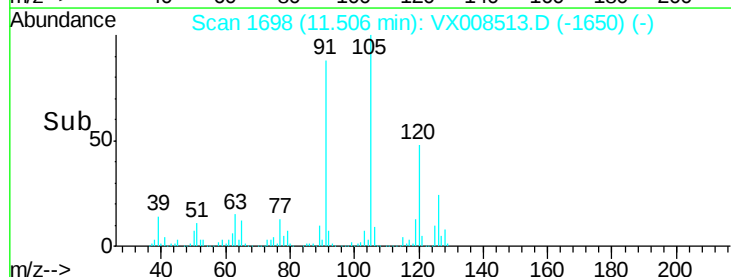
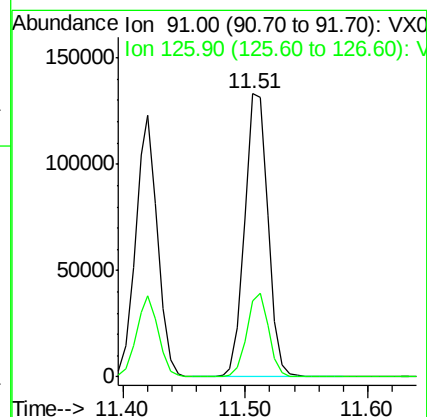
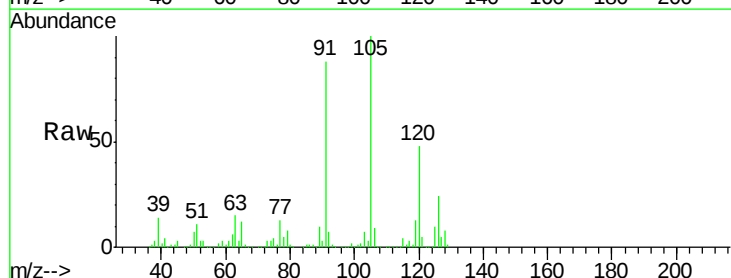
Acq: 28 Mar 2019 12:44

Tgt Ion: 91 Resp: 174396

Ion Ratio Lower Upper

91 100

126 28.1 13.9 41.7





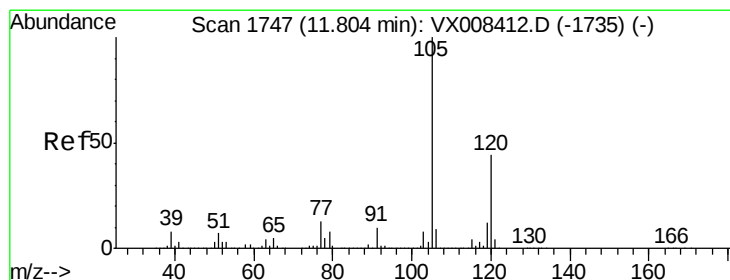
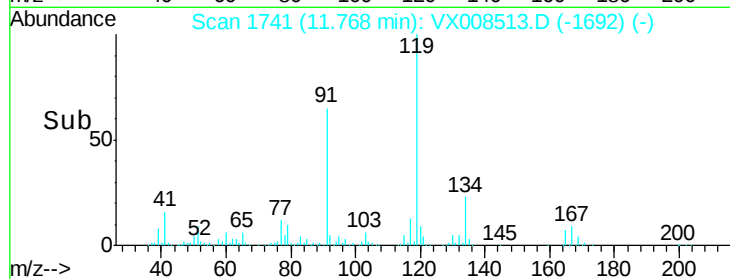
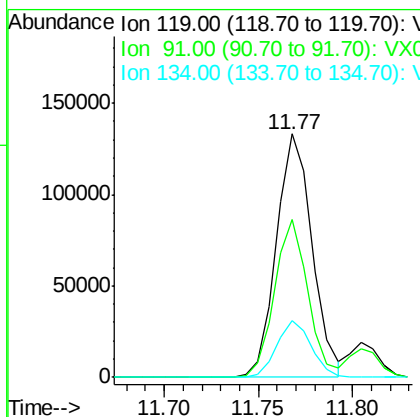
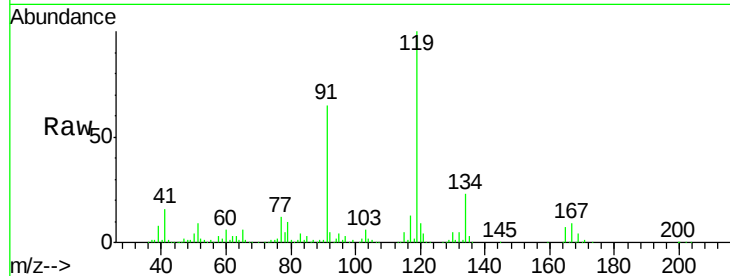
#83
tert-Butylbenzene
Concen: 19.935 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	175196		
91	60.6	30.1	90.3	
134	22.4	10.9	32.9	

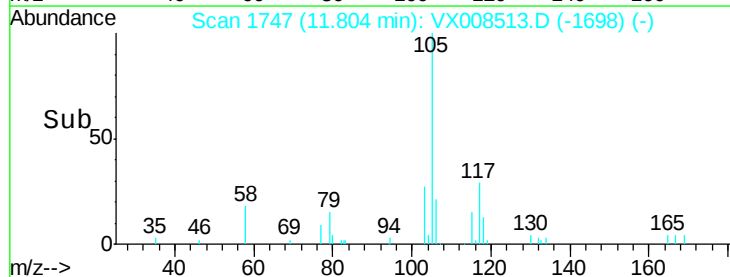
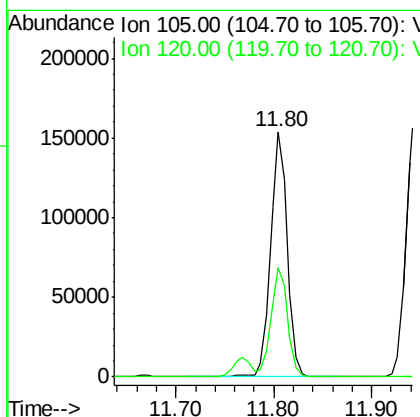
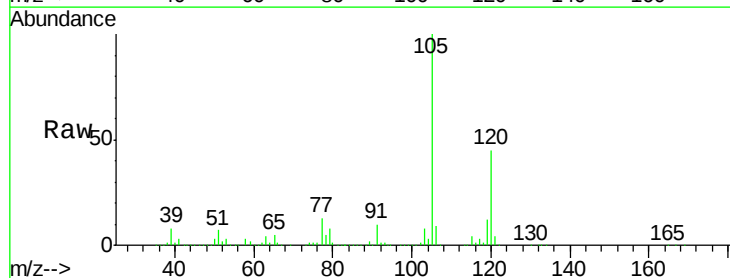
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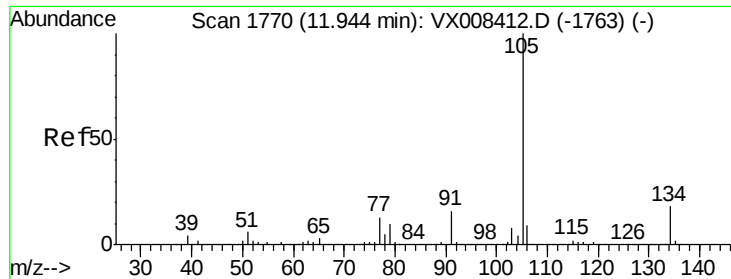
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#84
1,2,4-Trimethylbenzene
Concen: 20.053 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	184752		
120	44.5	21.6	65.0	





#85

sec-Butylbenzene

Concen: 20.108 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

VX0328MBS01

Tot Ion:105 Resp: 210447

Ion Ratio Lower Upper

105 100

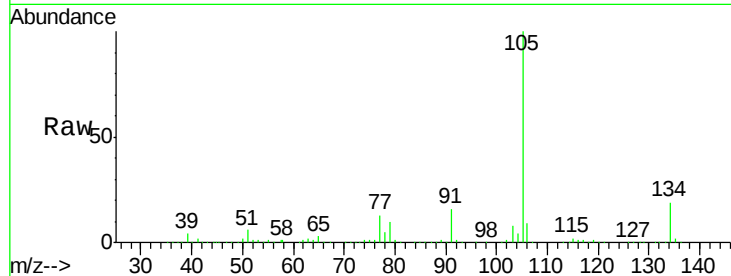
134 18.7 9.3 28.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

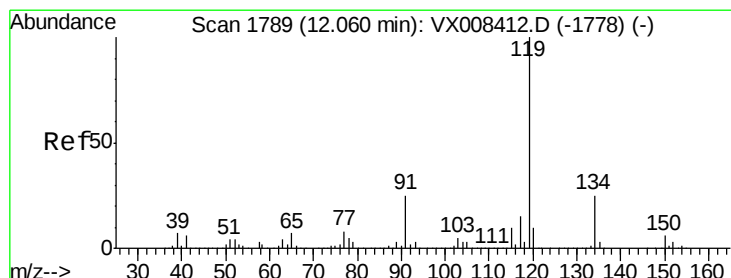
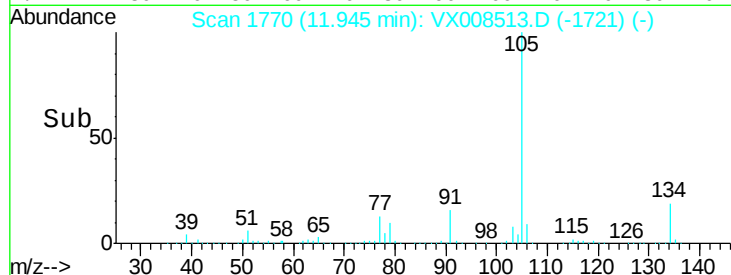
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.261 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

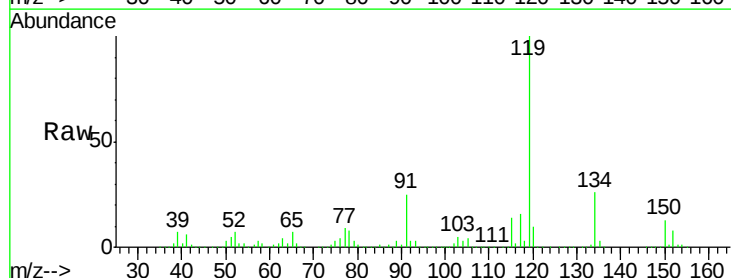
Tgt Ion:119 Resp: 187101

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.6 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

200000

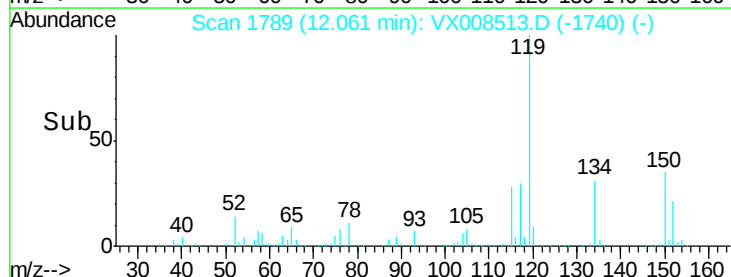
150000

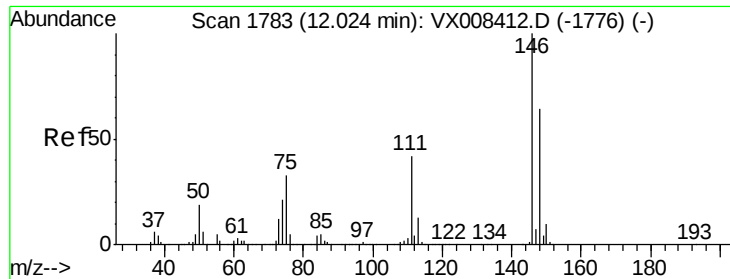
100000

50000

0

Time-->





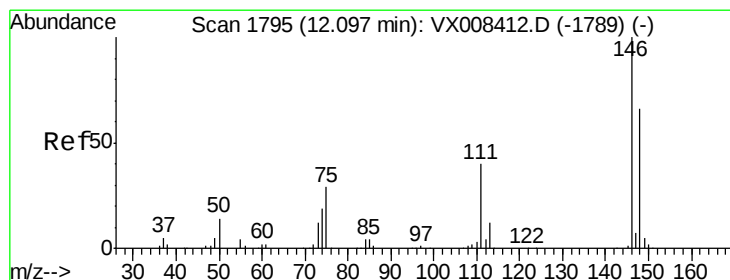
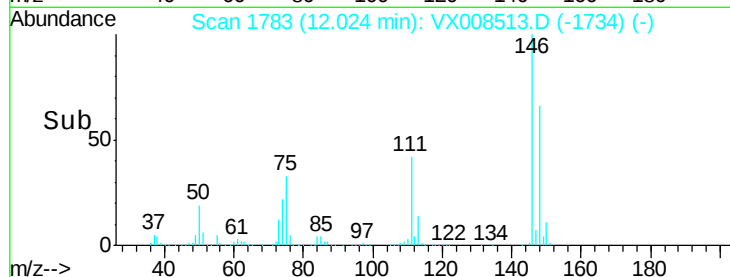
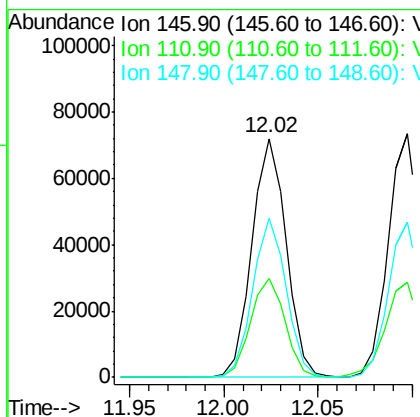
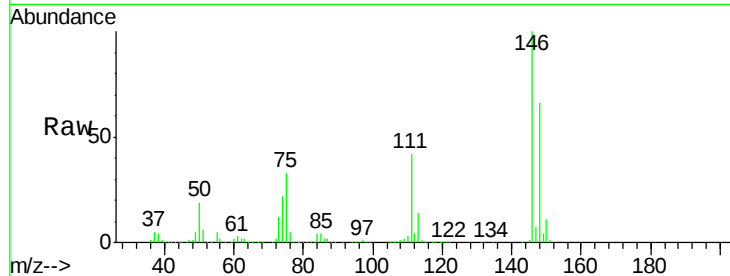
#87
 1,3-Dichlorobenzene
 Concen: 19.415 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.5
148	64.9	32.0	96.0

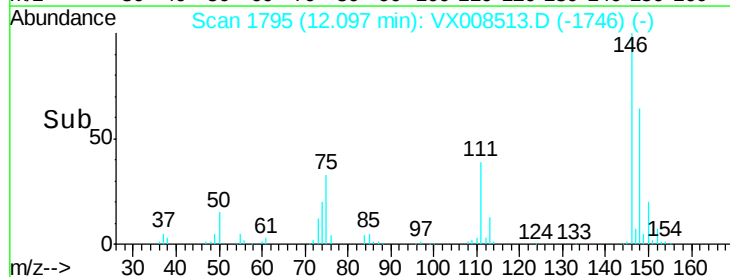
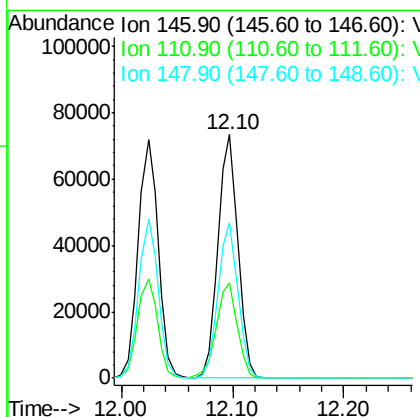
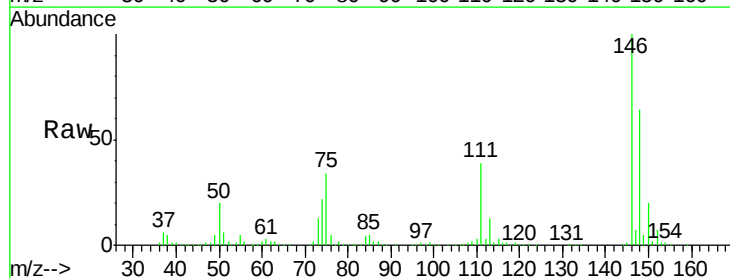
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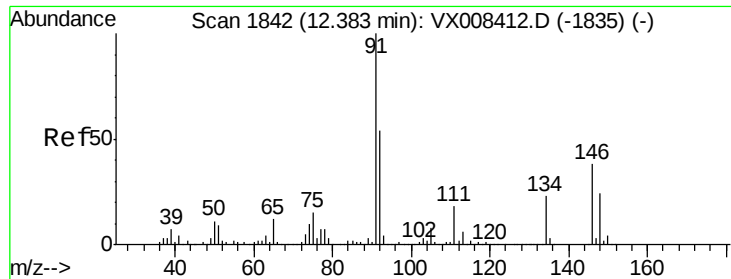
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#88
 1,4-Dichlorobenzene
 Concen: 19.279 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	64.0	32.1	96.5





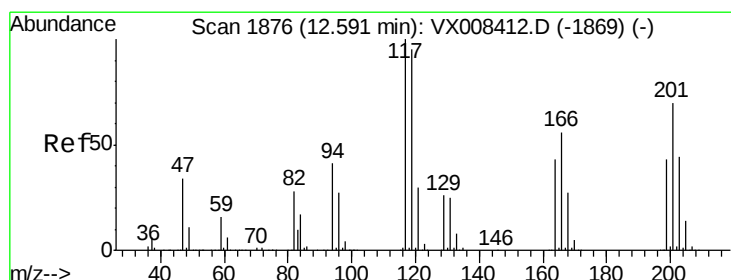
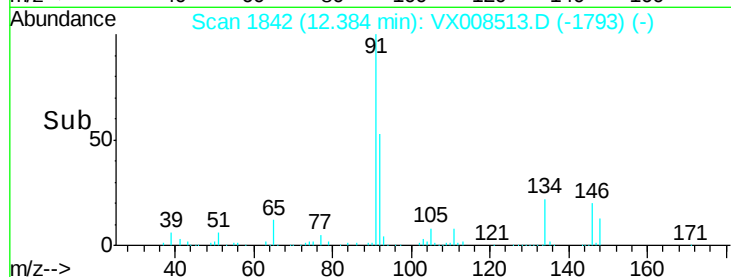
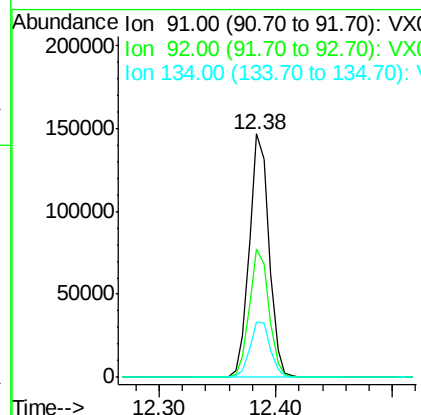
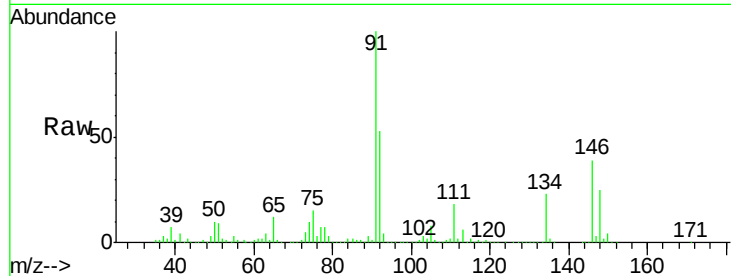
#89
n-Butylbenzene
Concen: 19.848 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
VX0328MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	23.7	11.8	35.4

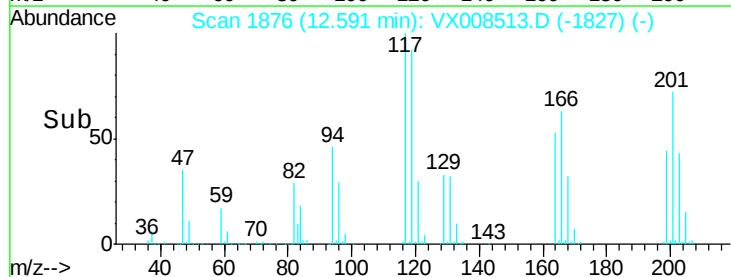
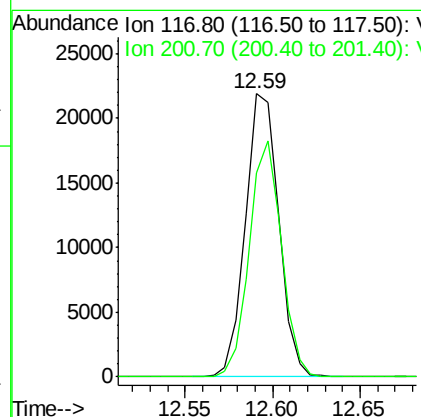
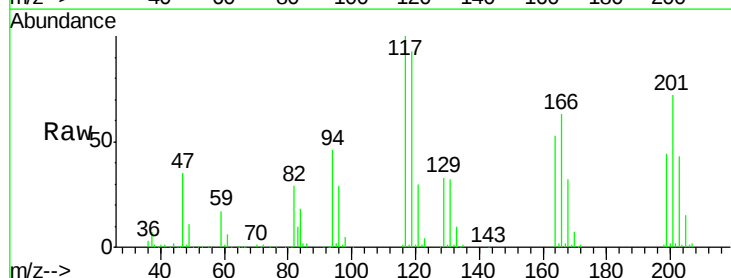
Manual Integrations
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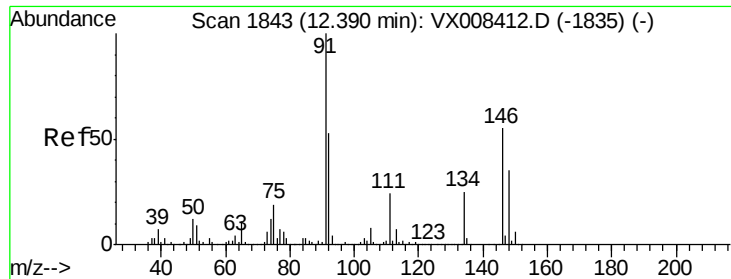
MMDadoda
3/29/2019 10:51:41 AM



#90
Hexachloroethane
Concen: 18.917 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX008513.D
Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	39.4	118.1





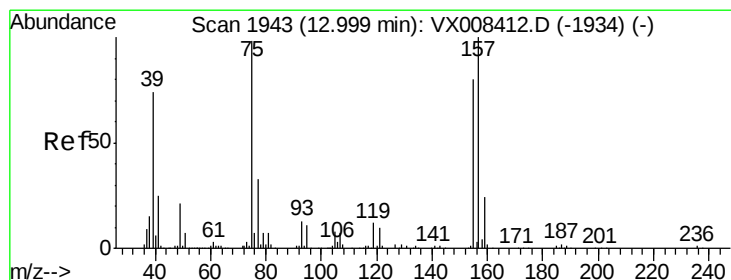
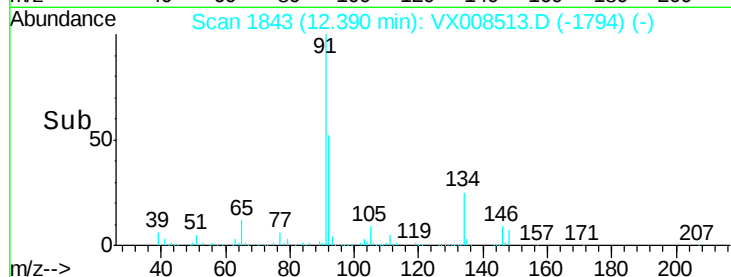
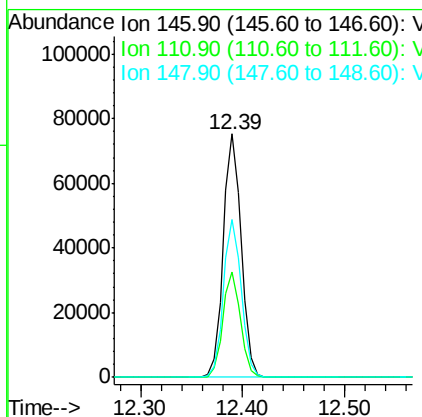
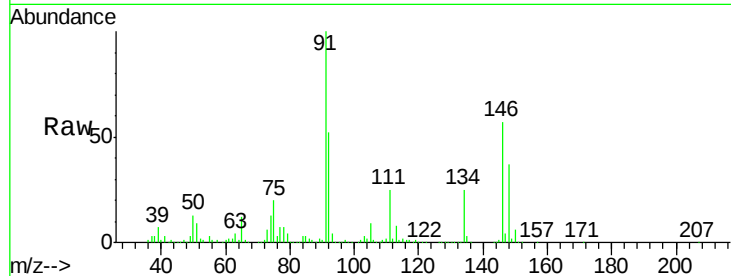
#91
 1,2-Dichlorobenzene
 Concen: 19.706 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	64.6
148	64.5	31.9	95.7

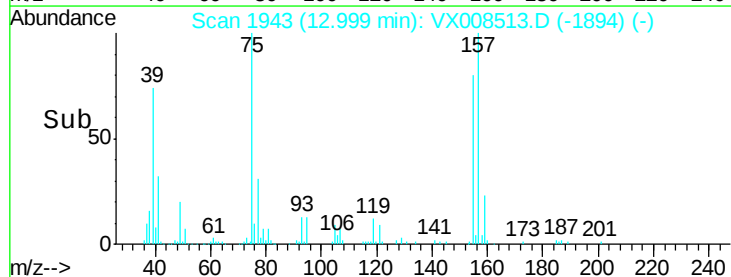
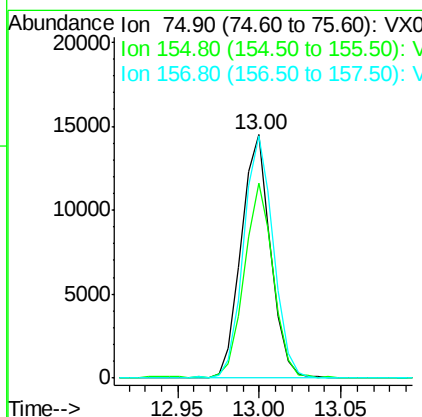
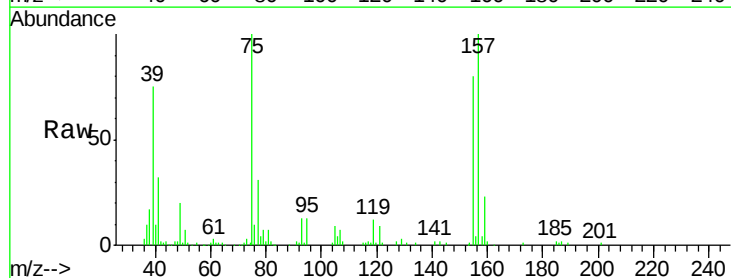
Manual Integrations
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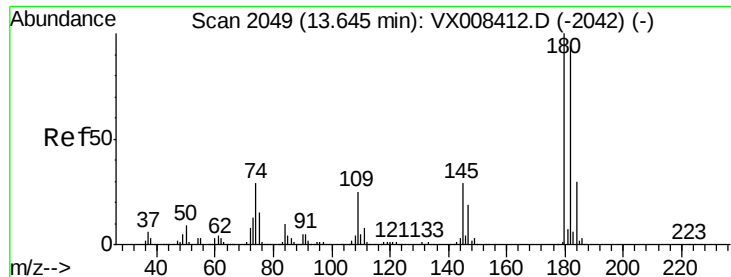
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.920 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	39.5	118.5
157	101.1	49.9	149.7





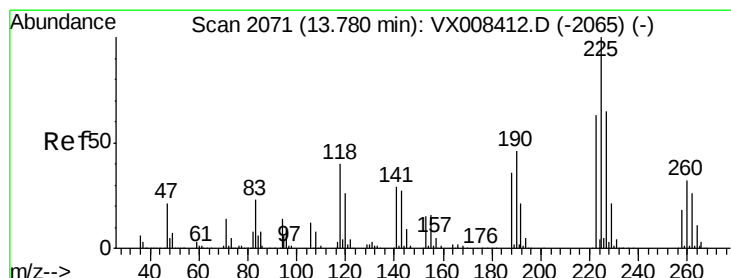
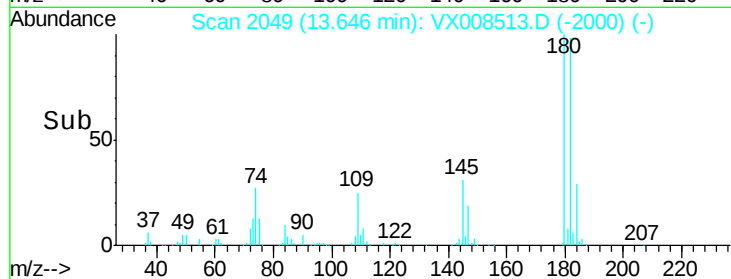
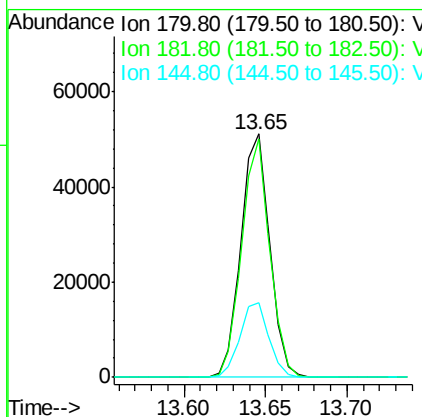
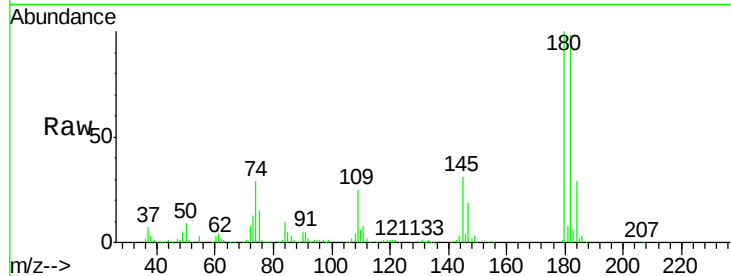
#93
 1,2,4-Trichlorobenzene
 Concen: 20.096 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328MBS01

Tot Ion:	180	Resp:	63304
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	31.1	15.3	45.8

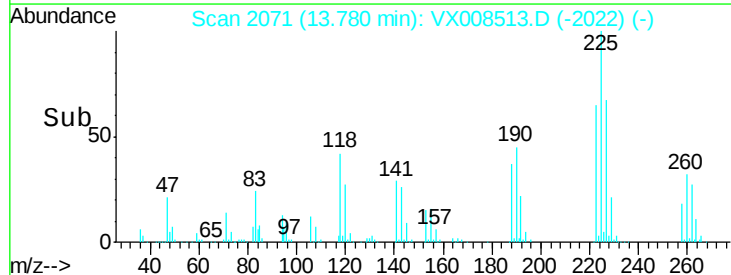
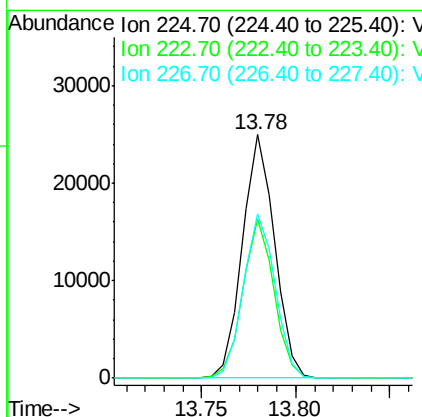
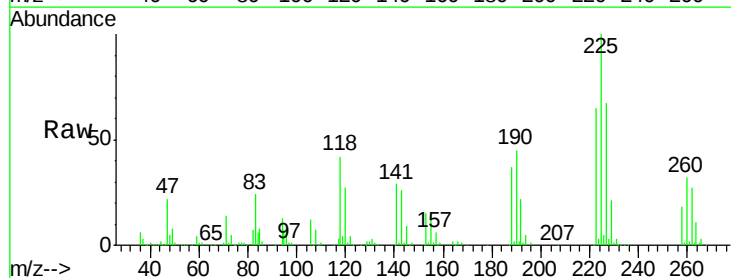
Manual Integrations
 APPROVED

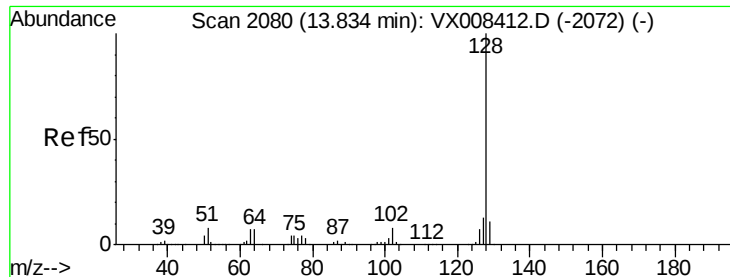
MMDadoda
 3/29/2019 10:51:41 AM



#94
 Hexachlorobutadiene
 Concen: 19.794 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008513.D
 Acq: 28 Mar 2019 12:44

Tgt Ion:	225	Resp:	29607
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.4	94.0
227	66.7	31.9	95.9





#95

Naphthalene

Concen: 21.201 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Instrument :

MSVOA_X

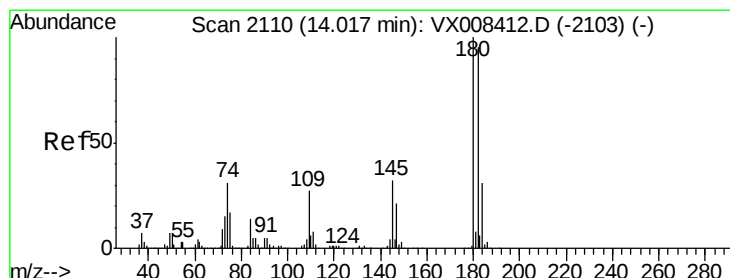
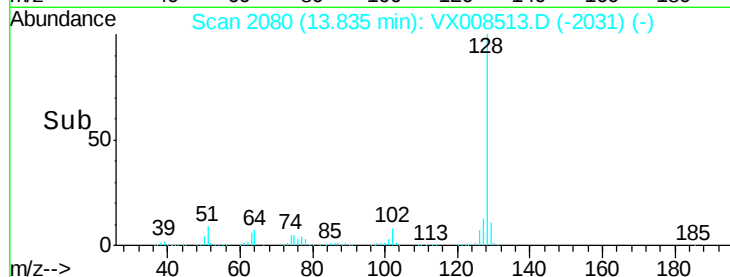
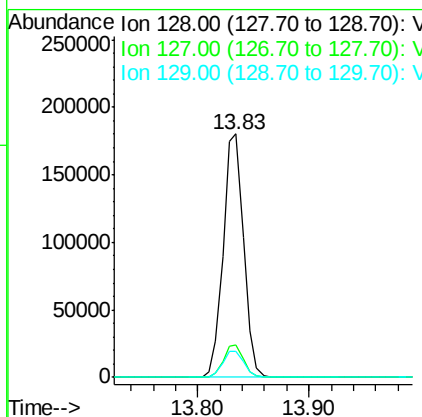
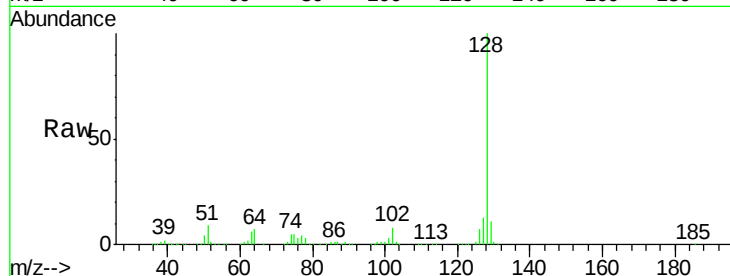
ClientSampleId :

VX0328MBS01

Tot Ion:	128	Resp:	228962
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/29/2019 10:51:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.795 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008513.D

Acq: 28 Mar 2019 12:44

Tgt Ion:	180	Resp:	65824
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	142.0
145	32.2	16.2	48.5

