

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\
 Data File : VX009881.D
 Acq On : 24 May 2019 13:03
 Operator : JC/SP
 Sample : VX0524WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 9:52:09 AM

Quant Time: May 25 01:04:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296553	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117490	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	5.50	113	83263	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	
50) Toluene-d8	8.71	98	343779	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
62) 4-Bromofluorobenzene	11.13	95	123348	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27006	16.030	ug/l	100
3) Chloromethane	1.32	50	43671	18.987	ug/l	99
4) Vinyl Chloride	1.41	62	40745	18.167	ug/l	98
5) Bromomethane	1.64	94	26219	19.477	ug/l	93
6) Chloroethane	1.72	64	25434	17.663	ug/l	98
7) Trichlorofluoromethane	1.93	101	48831	17.911	ug/l	98
8) Diethyl Ether	2.19	74	22904	17.736	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30127	17.598	ug/l	100
10) Methyl Iodide	2.51	142	34329	20.266	ug/l	99
11) Tert butyl alcohol	3.05	59	59266	102.593	ug/l	100
12) 1,1-Dichloroethene	2.37	96	29899	17.430	ug/l	98
13) Acrolein	2.29	56	42103	80.477	ug/l	98
14) Allyl chloride	2.73	41	76079	18.199	ug/l	98
15) Acrylonitrile	3.14	53	131880	93.368	ug/l	98
16) Acetone	2.45	43	130477	97.366	ug/l	98
17) Carbon Disulfide	2.57	76	84004	17.443	ug/l	99
18) Methyl Acetate	2.78	43	58110	18.234	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	119937	18.006	ug/l	100
20) Methylene Chloride	2.85	84	38075	17.548	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	33334	17.919	ug/l	98
22) Diisopropyl ether	3.86	45	152082	18.918	ug/l	96
23) Vinyl Acetate	3.82	43	676015	98.200	ug/l	98
24) 1,1-Dichloroethane	3.70	63	71288	17.976	ug/l	99
25) 2-Butanone	4.68	43	205269	98.572	ug/l	98
26) 2,2-Dichloropropane	4.58	77	51472	17.437	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	38943	17.538	ug/l	96
28) Bromochloromethane	5.01	49	33753	19.469	ug/l	95
29) Tetrahydrofuran	5.13	42	131796	98.353	ug/l	97
30) Chloroform	5.21	83	64654	18.025	ug/l	95
31) Cyclohexane	5.58	56	68256	18.499	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	52752	17.667	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48922	17.752	ug/l	99
37) Ethyl Acetate	4.84	43	74889	19.503	ug/l	98
38) Carbon Tetrachloride	5.79	117	43437	17.348	ug/l	96

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Manual Integrations
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60748	17.949	ug/l	95
40) Benzene	6.14	78	152247	17.850	ug/l	99
41) Methacrylonitrile	5.04	41	41806	18.290	ug/l	98
42) 1,2-Dichloroethane	6.19	62	56809	18.568	ug/l	98
43) Isopropyl Acetate	6.45	43	117303	19.099	ug/l	98
44) Trichloroethene	7.21	130	35541	17.237	ug/l	99
45) 1,2-Dichloropropane	7.51	63	44422	18.394	ug/l	100
46) Dibromomethane	7.66	93	24818	17.696	ug/l	98
47) Bromodichloromethane	7.90	83	48501	17.337	ug/l	95
48) Methyl methacrylate	7.77	41	58861	19.317	ug/l	97
49) 1,4-Dioxane	7.74	88	21673	350.717	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	396450	98.754	ug/l	98
52) Toluene	8.79	92	92985	17.935	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	56172	17.785	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	62283	17.816	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	37028	17.506	ug/l	94
56) Ethyl methacrylate	9.18	69	68926	18.255	ug/l	96
57) 1,3-Dichloropropane	9.37	76	67273	18.074	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	176542	88.139	ug/l	99
59) 2-Hexanone	9.49	43	310756	98.560	ug/l	97
60) Dibromochloromethane	9.58	129	35495	17.182	ug/l	99
61) 1,2-Dibromoethane	9.67	107	38086	17.838	ug/l	99
64) Tetrachloroethene	9.34	164	33249	18.070	ug/l	98
65) Chlorobenzene	10.14	112	95436	17.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	33443	17.191	ug/l	99
67) Ethyl Benzene	10.25	91	176337	17.856	ug/l	99
68) m/p-Xylenes	10.36	106	127702	35.387	ug/l	95
69) o-Xylene	10.69	106	63557	17.850	ug/l	99
70) Styrene	10.71	104	108746	17.572	ug/l	98
71) Bromoform	10.85	173	26276	16.621	ug/l #	98
73) Isopropylbenzene	11.02	105	167983	17.756	ug/l	99
74) N-amyl acetate	10.90	43	103695	18.800	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	63821	18.096	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56233m	18.634	ug/l	
77) Bromobenzene	11.26	156	41789	17.797	ug/l	97
78) n-propylbenzene	11.36	91	194540	18.006	ug/l	100
79) 2-Chlorotoluene	11.42	91	117061	17.562	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	143370	17.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19511	16.542	ug/l	90
82) 4-Chlorotoluene	11.51	91	134418	17.850	ug/l	99
83) tert-Butylbenzene	11.77	119	135562	17.494	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	143458	17.942	ug/l	99
85) sec-Butylbenzene	11.94	105	163360	17.781	ug/l	100
86) p-Isopropyltoluene	12.06	119	148417	17.970	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73528	17.565	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	73099	17.321	ug/l	97
89) n-Butylbenzene	12.38	91	135204	18.112	ug/l	99
90) Hexachloroethane	12.59	117	23435	16.655	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	73286	17.189	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14220	17.974	ug/l	95

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Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

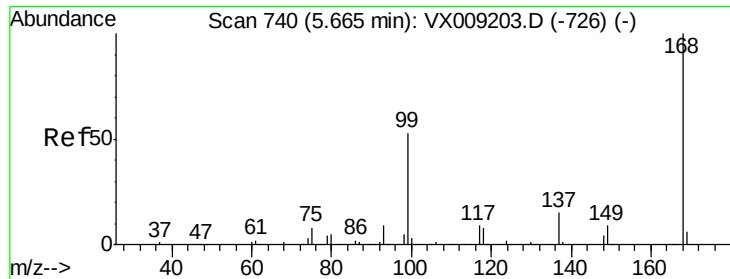
Manual Integrations
APPROVED

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5/28/2019 9:52:09 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	52743	18.090	ug/l	99
94) Hexachlorobutadiene	13.78	225	26927	18.085	ug/l	98
95) Naphthalene	13.83	128	168314	17.744	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52513	17.768	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:168 Resp: 182816

Ion Ratio Lower Upper

168 100

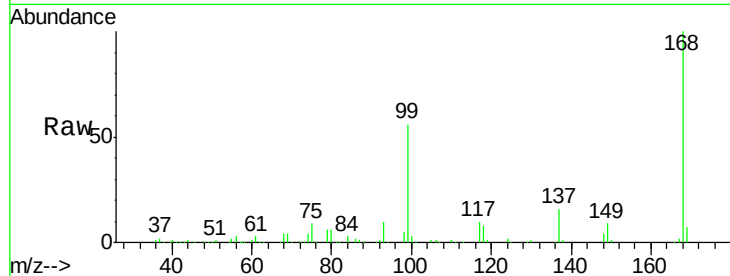
99 55.5 42.3 63.5

Manual Integrations

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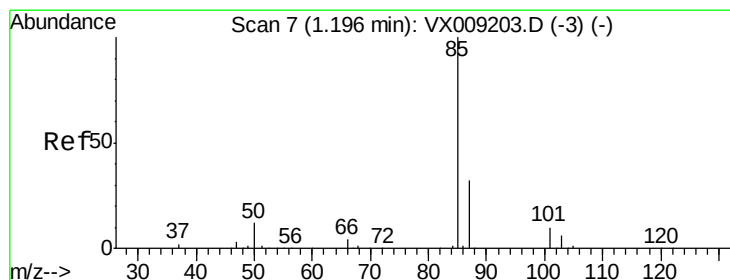
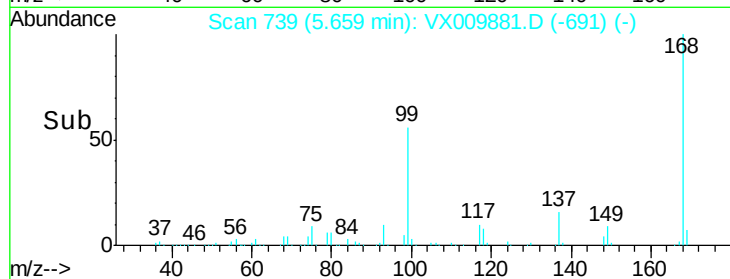
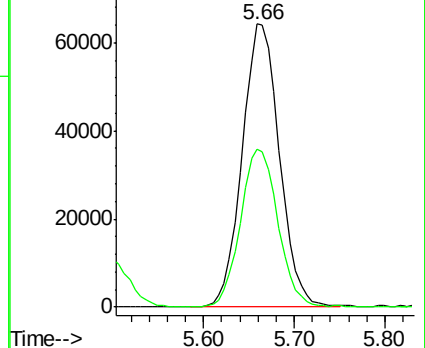
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.030 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009881.D

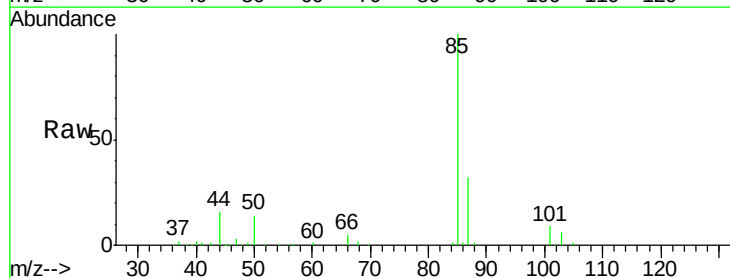
Acq: 24 May 2019 13:03

Tgt Ion: 85 Resp: 27006

Ion Ratio Lower Upper

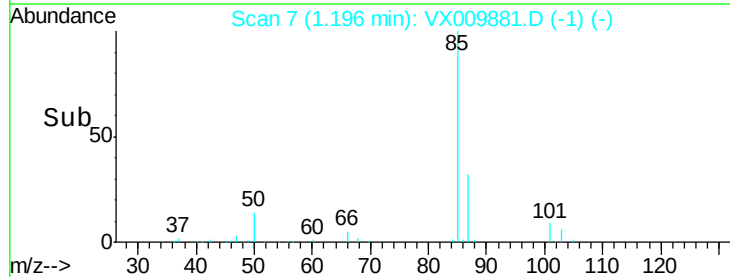
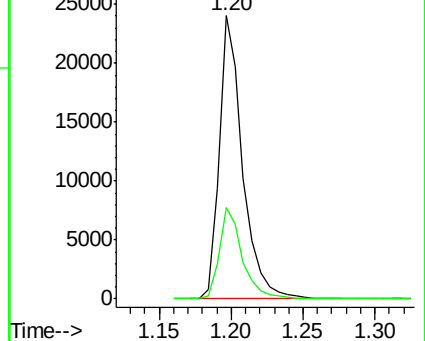
85 100

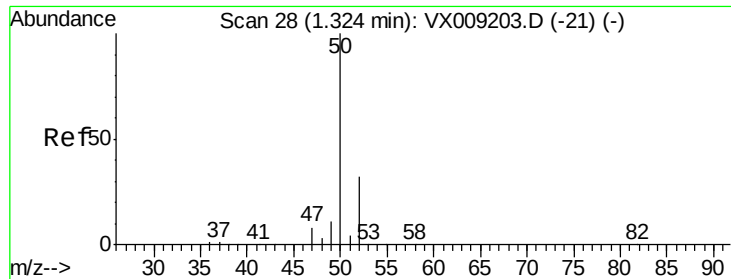
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.987 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 50 Resp: 43671

Ion Ratio Lower Upper

50 100

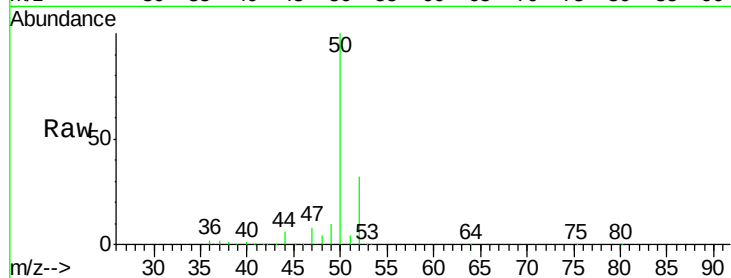
52 31.7 25.9 38.9

Manual Integrations

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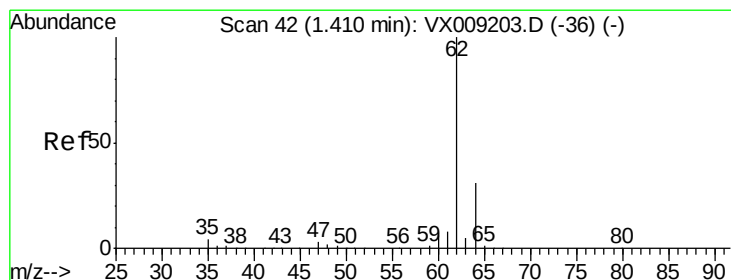
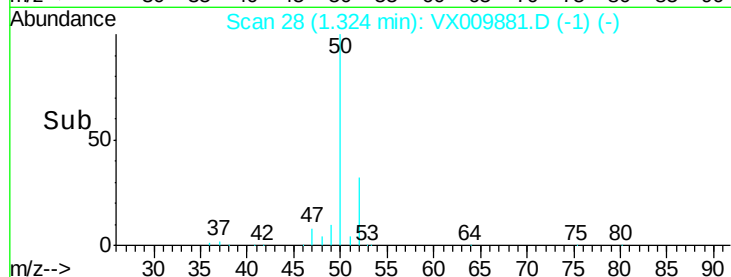
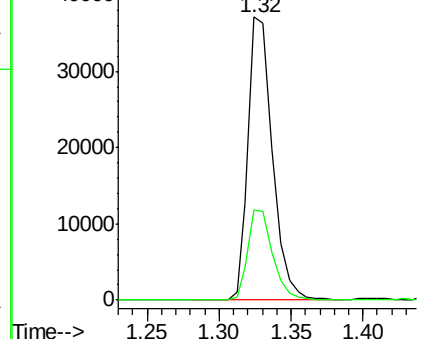
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.167 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009881.D

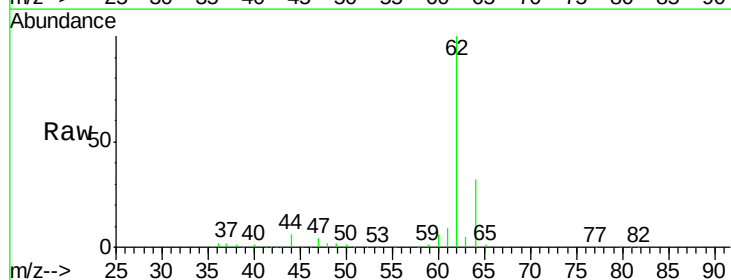
Acq: 24 May 2019 13:03

Tgt Ion: 62 Resp: 40745

Ion Ratio Lower Upper

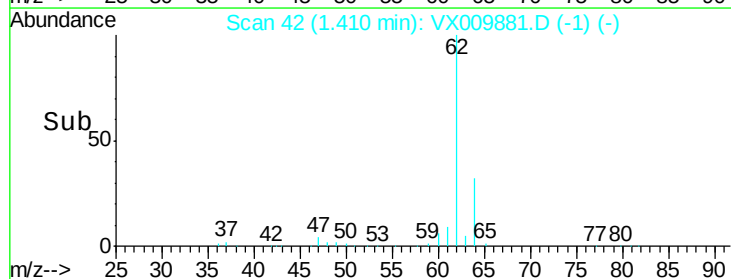
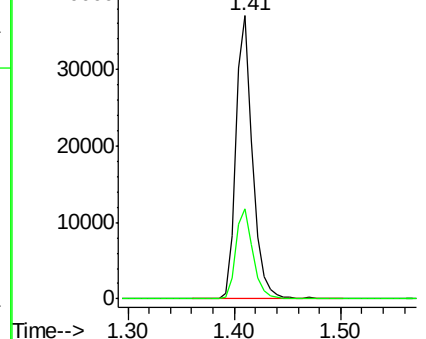
62 100

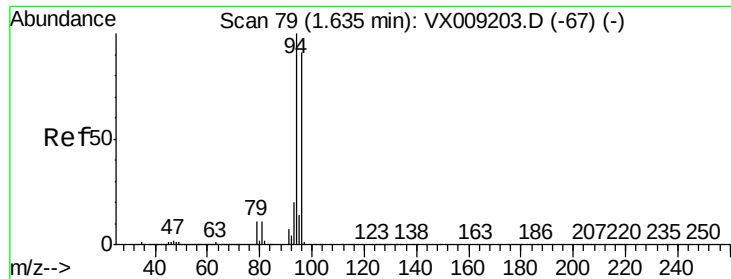
64 31.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.477 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 94 Resp: 26219

Ion Ratio Lower Upper

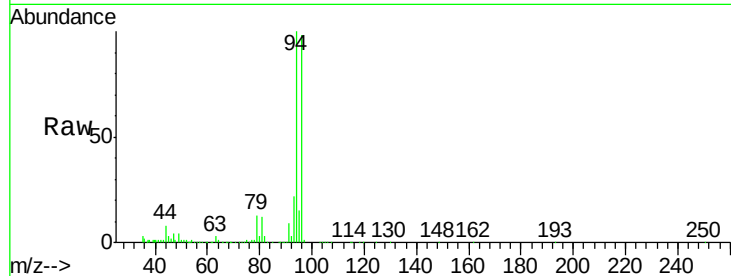
94 100

96 97.8 73.0 109.6

Manual Integrations
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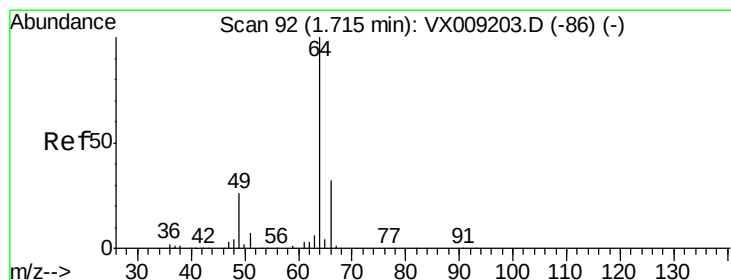
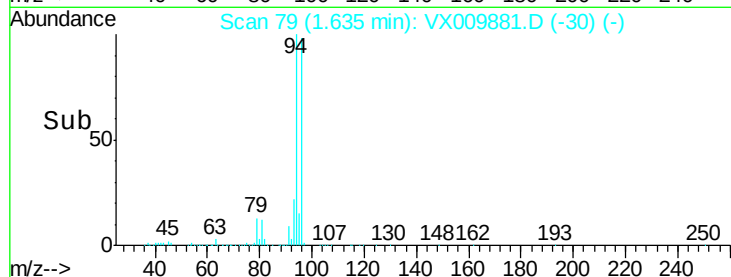
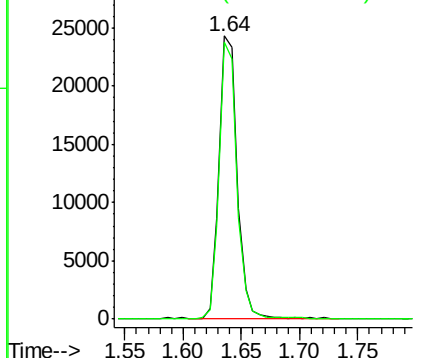
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.663 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009881.D

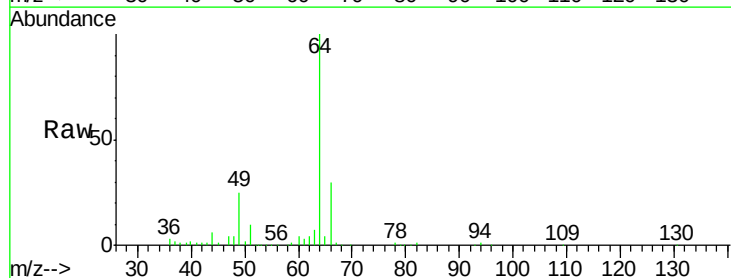
Acq: 24 May 2019 13:03

Tgt Ion: 64 Resp: 25434

Ion Ratio Lower Upper

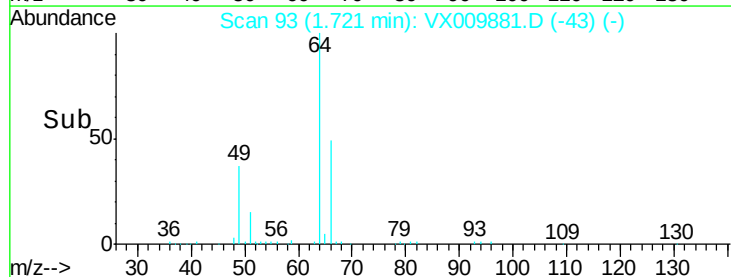
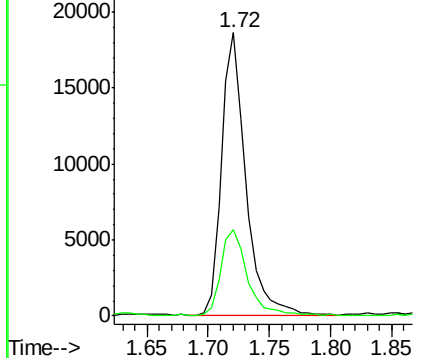
64 100

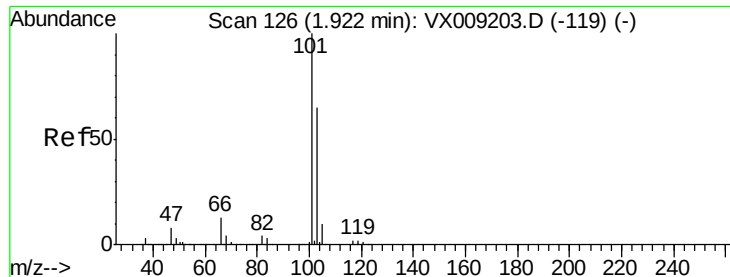
66 30.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

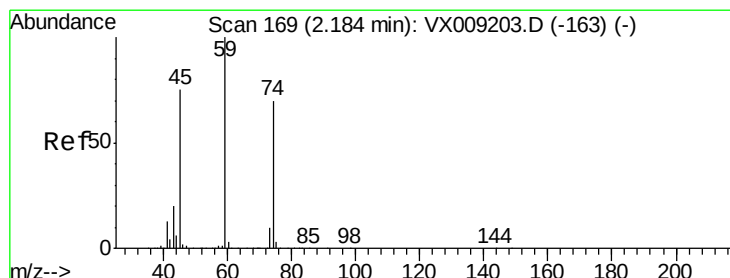
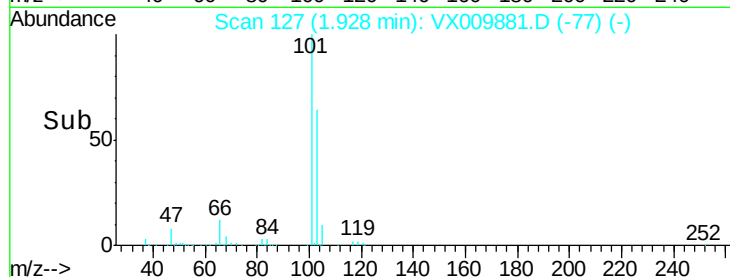
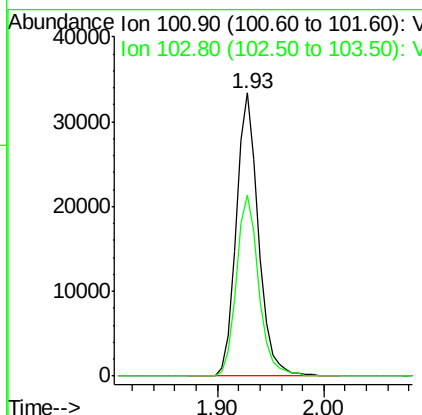
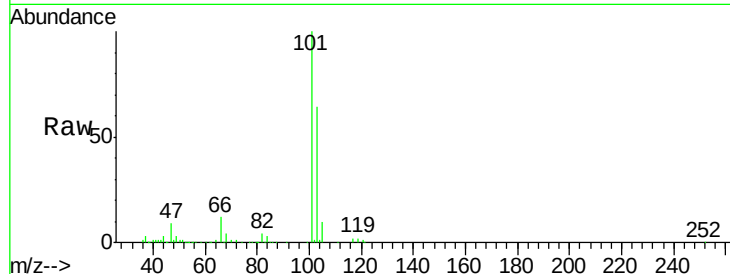
Trichlorofluoromethane
 Concen: 17.911 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	48831		
103	64.1	52.4	78.6	

Manual Integrations
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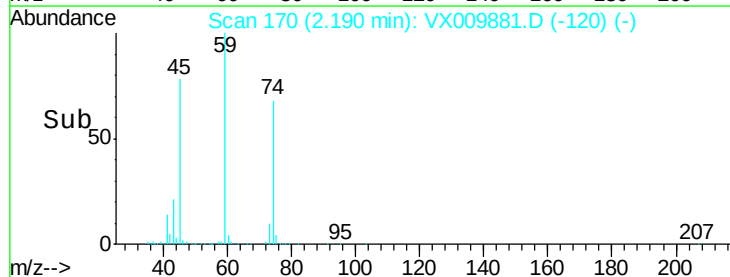
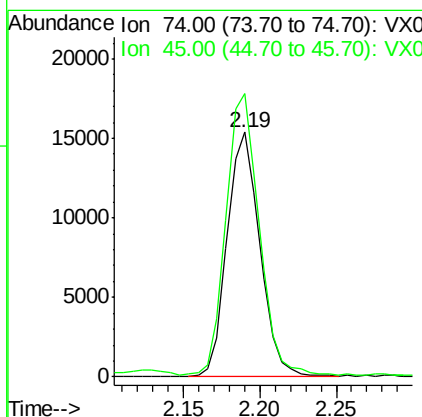
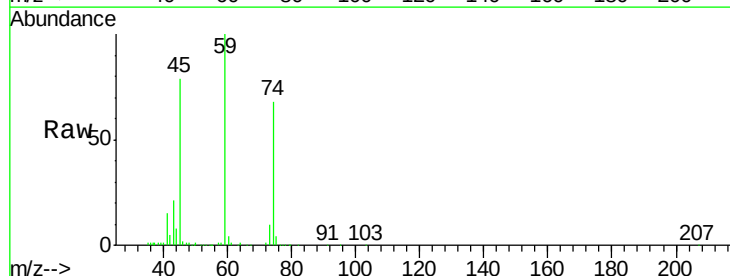
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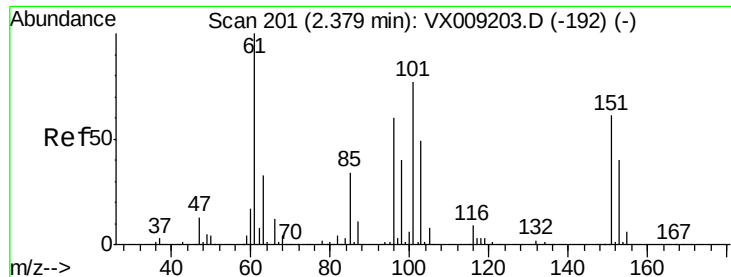


#8

Diethyl Ether
 Concen: 17.736 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	22904		
45	116.7	53.3	159.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.598 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

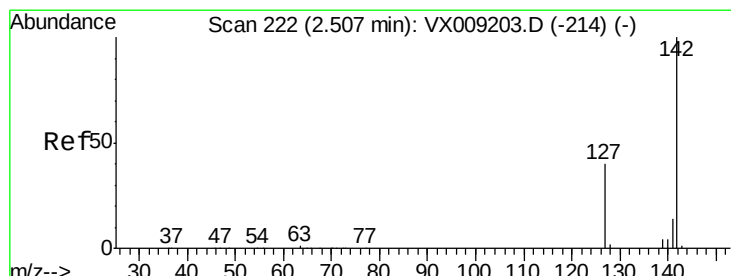
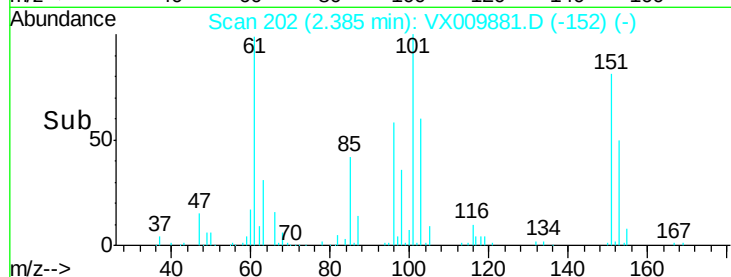
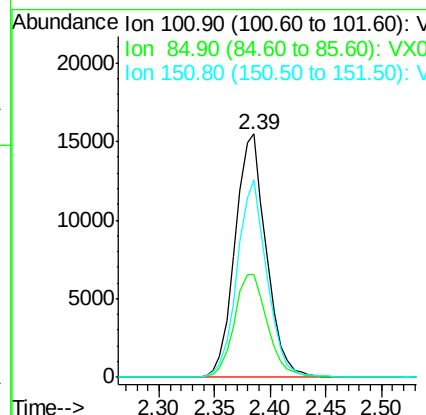
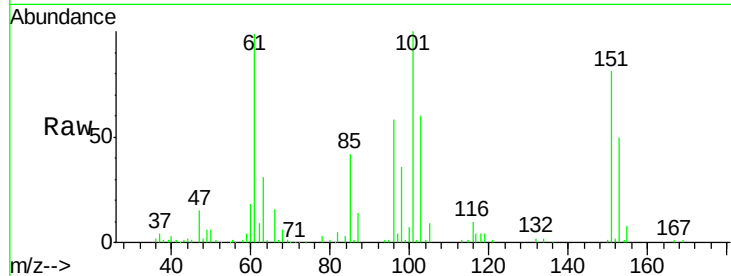
ClientSampleId :

VX0524WBS01

Tot Ion:	101	Resp:	30127
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.7	53.5
151	77.6	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.266 ug/l

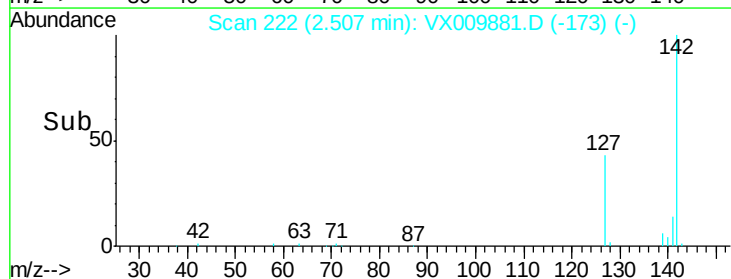
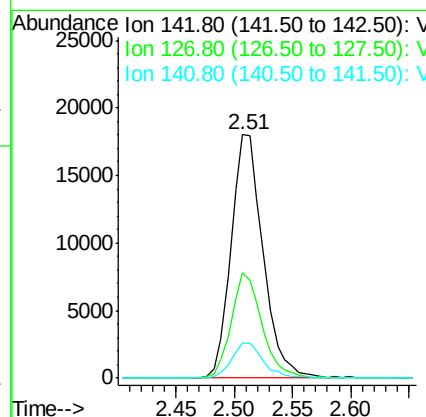
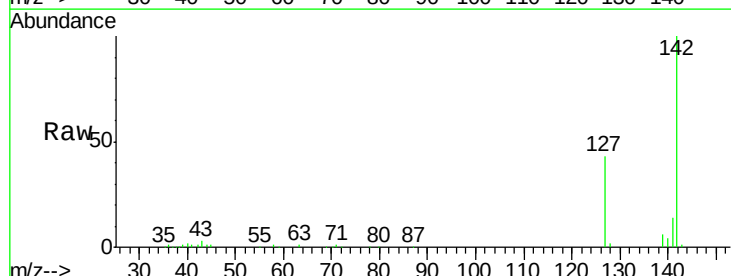
RT: 2.51 min Scan# 222

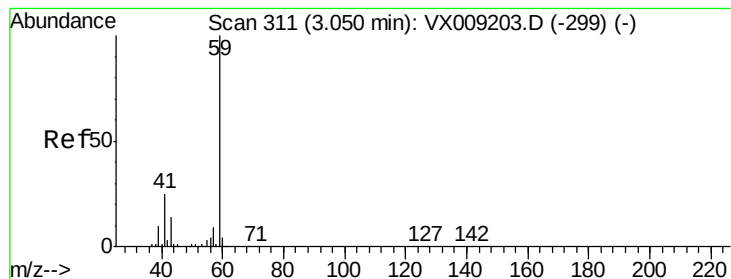
Delta R.T. 0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion:	142	Resp:	34329
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.7	49.1
141	14.3	11.5	17.3





#11

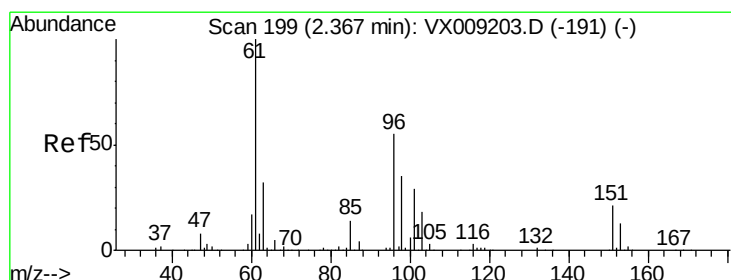
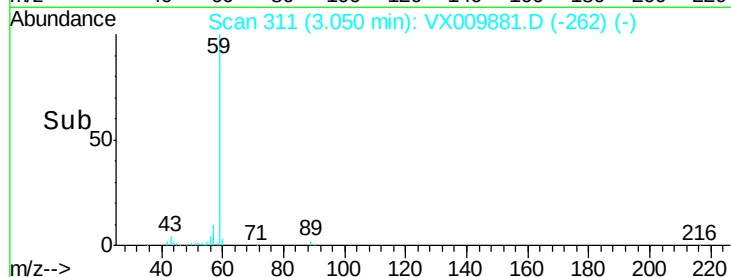
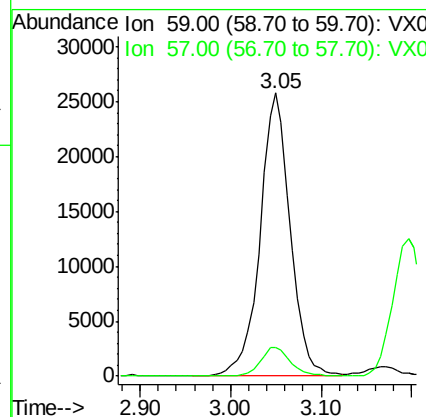
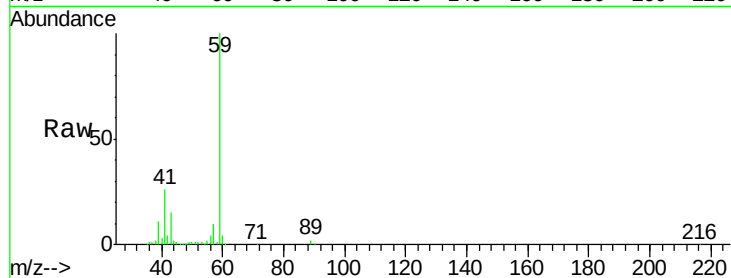
Tert butyl alcohol
 Concen: 102.593 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	59	Resp	59266
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.2

Manual Integrations
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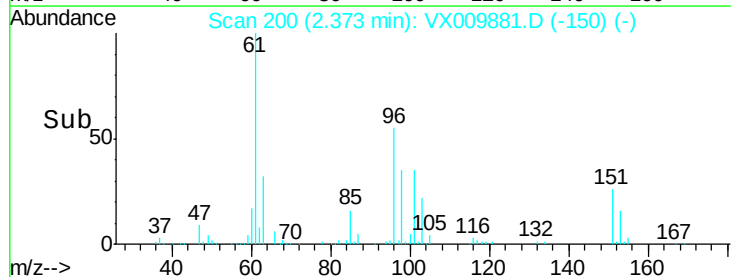
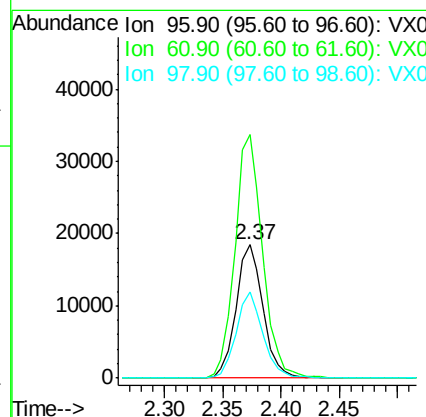
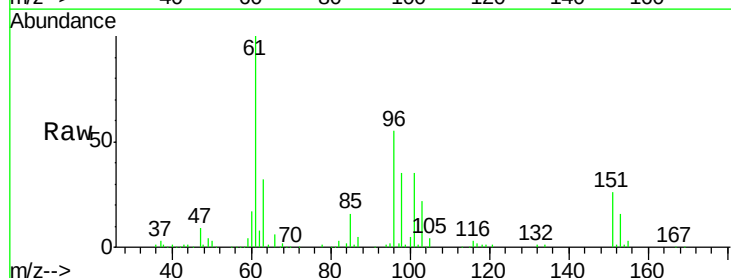
MMDadoda
 5/28/2019 9:52:09 AM

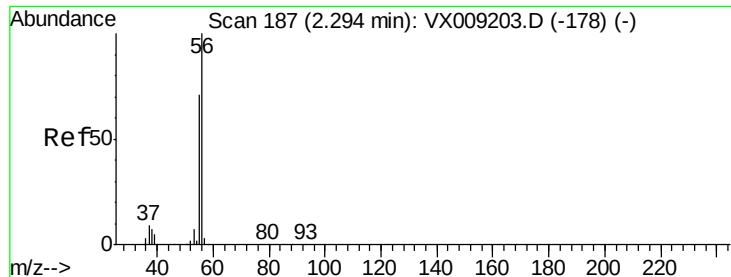


#12

1,1-Dichloroethene
 Concen: 17.430 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion	96	Resp	29899
Ion Ratio	100	Lower	Upper
61	182.9	144.3	216.5
98	64.3	50.3	75.5





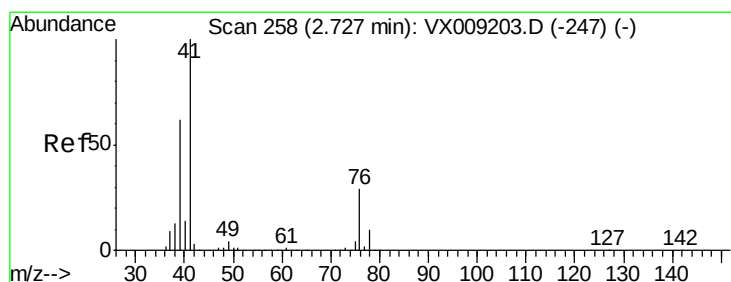
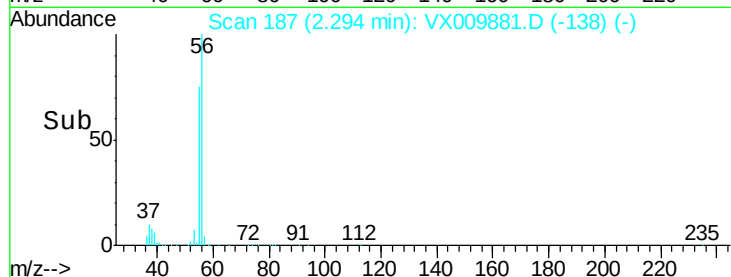
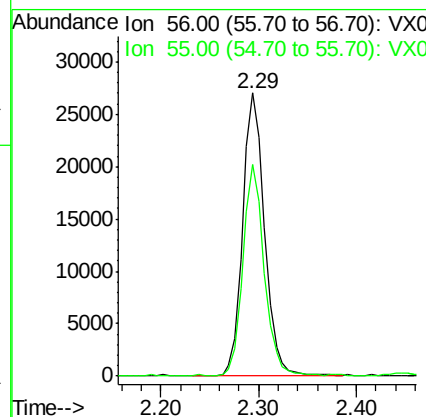
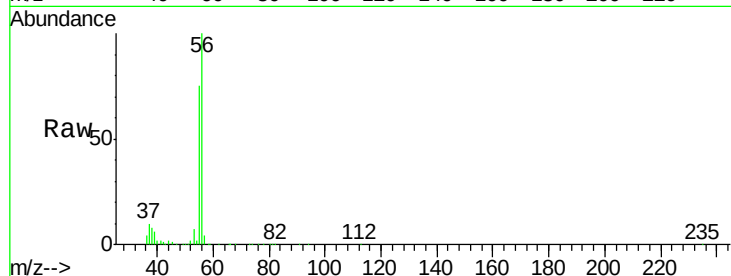
#13
 Acrolein
 Concen: 80.477 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.6	85.0

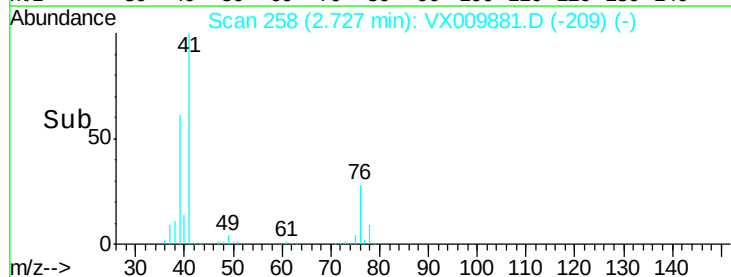
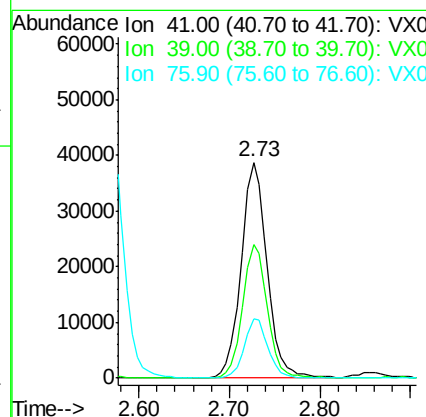
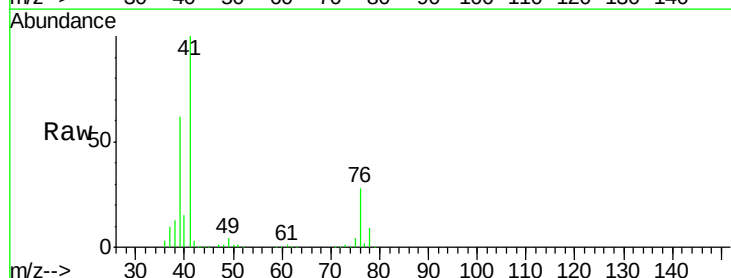
Manual Integrations
 APPROVED

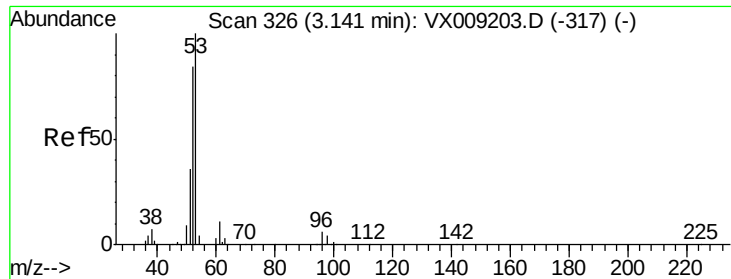
MMDadoda
 5/28/2019 9:52:09 AM



#14
 Allyl chloride
 Concen: 18.199 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.9	46.7	70.1
76	25.6	21.8	32.8





#15

Acrylonitrile

Concen: 93.368 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

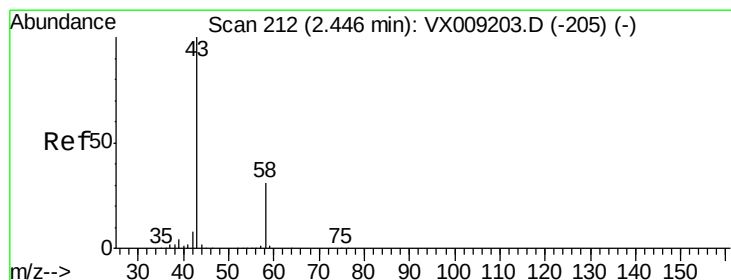
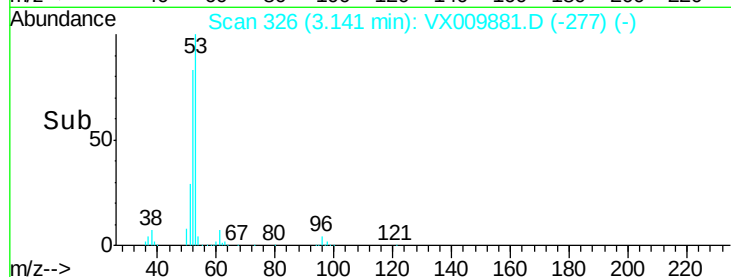
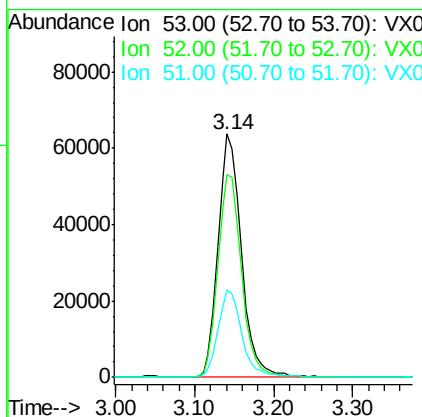
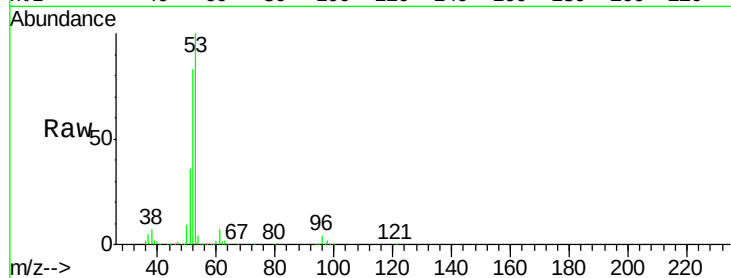
ClientSampleId :

VX0524WBS01

Tot Ion:	53	Resp:	131880
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.9	100.3
51	36.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 97.366 ug/l

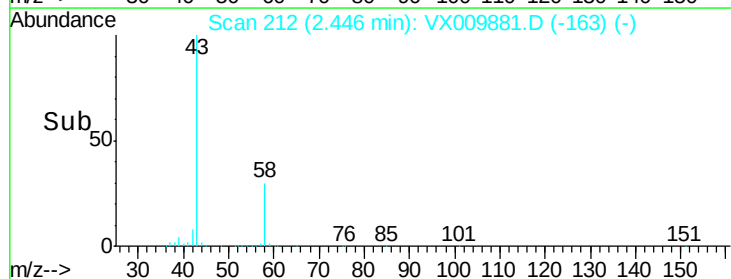
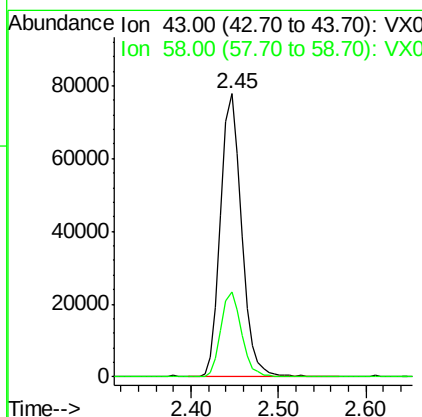
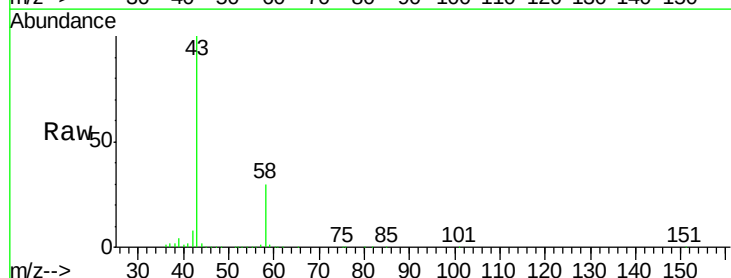
RT: 2.45 min Scan# 212

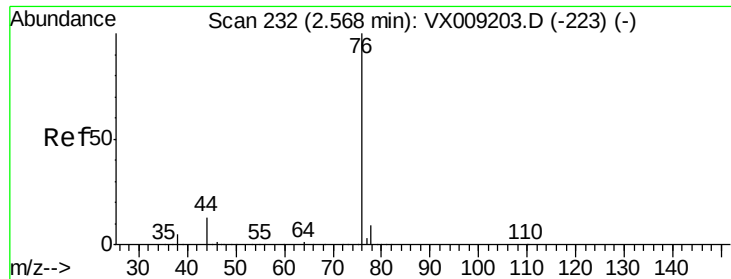
Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion:	43	Resp:	130477
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.9	37.3





#17

Carbon Disulfide

Concen: 17.443 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 76 Resp: 84004

Ion Ratio Lower Upper

76 100

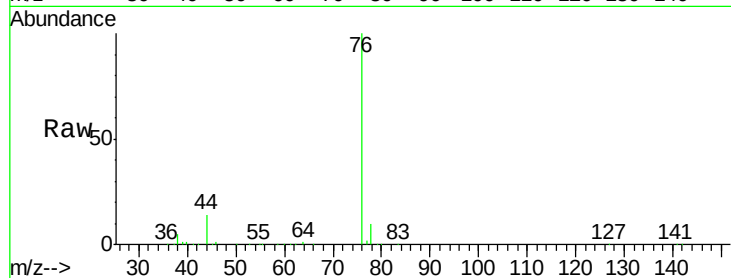
78 9.6 7.4 11.0

Manual Integrations

APPROVED

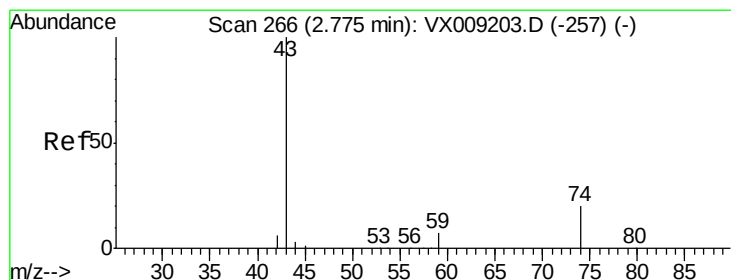
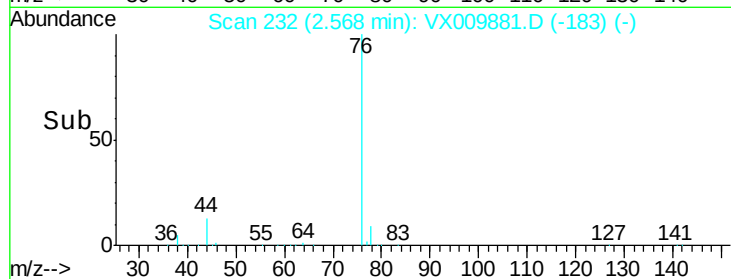
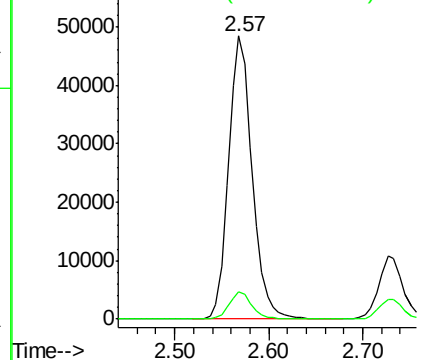
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.234 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009881.D

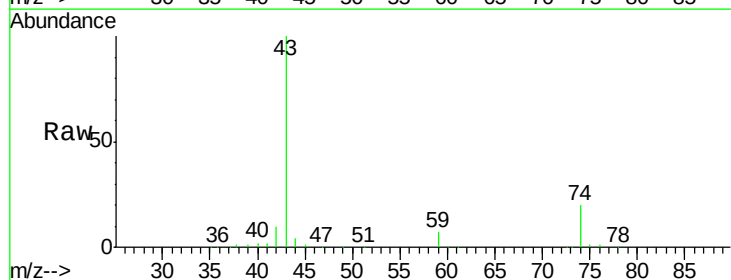
Acq: 24 May 2019 13:03

Tgt Ion: 43 Resp: 58110

Ion Ratio Lower Upper

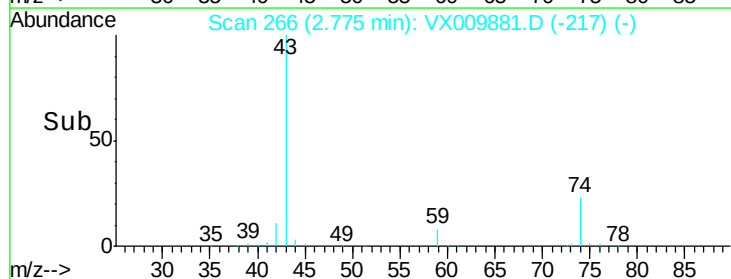
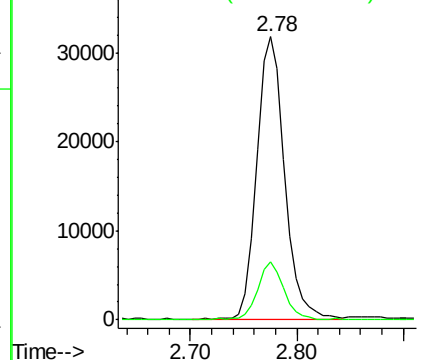
43 100

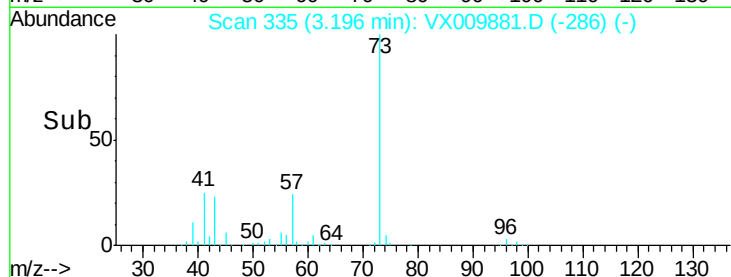
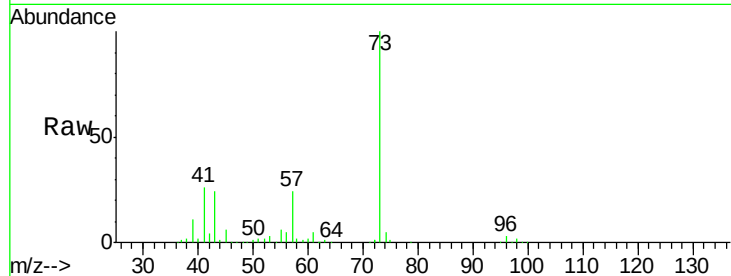
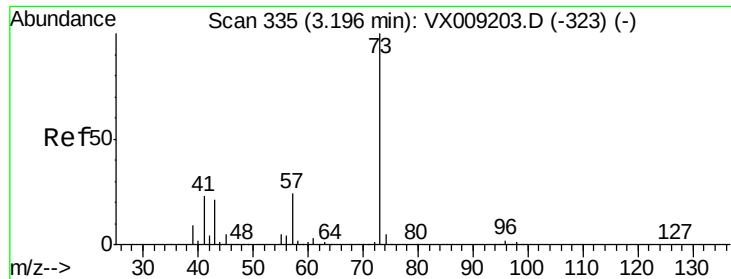
74 19.5 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

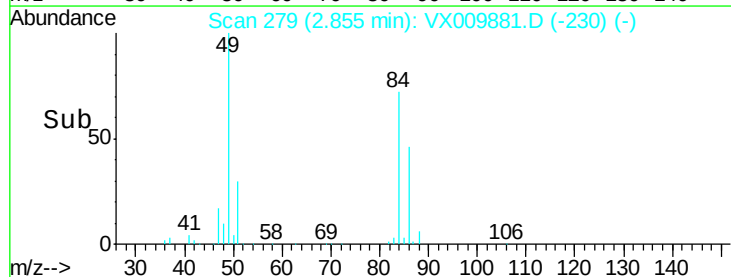
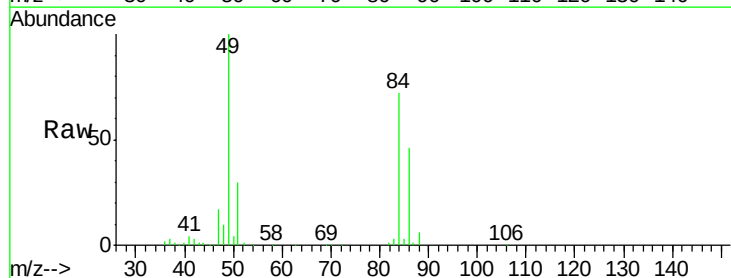
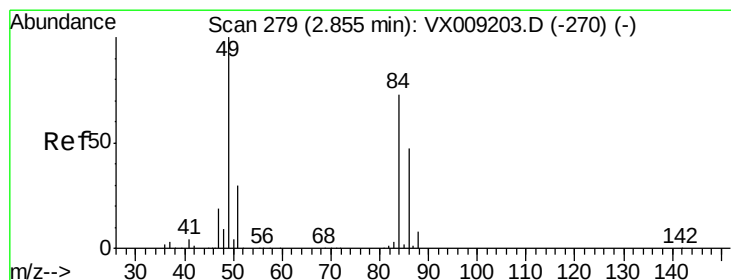
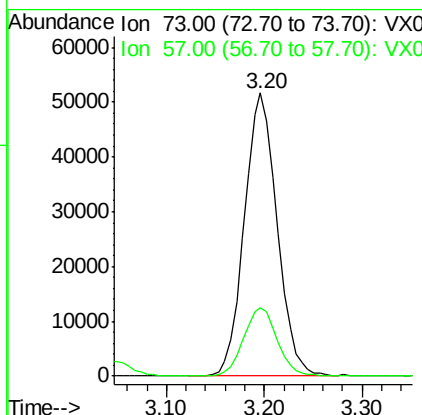
Methyl tert-butyl Ether
 Concen: 18.006 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tot Ion	73	Resp	119937
Ion Ratio	100	Lower	Upper
73	100		
57	24.3	19.3	28.9

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Manual Integrations
 APPROVED

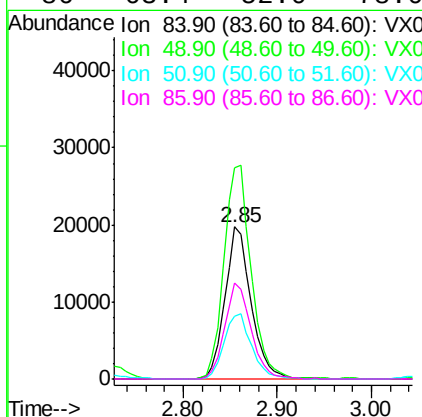
MMDadoda
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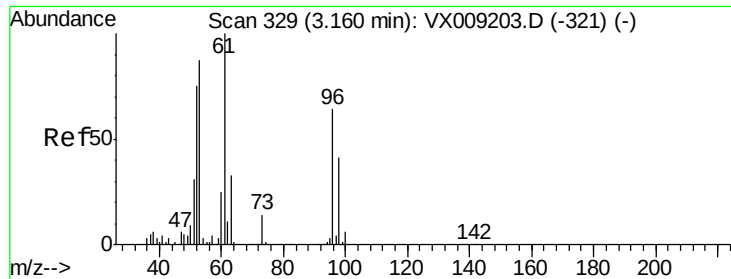


#20

Methylene Chloride
 Concen: 17.548 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion	84	Resp	38075
Ion Ratio	100	Lower	Upper
84	100		
49	138.7	109.9	164.9
51	41.5	32.7	49.1
86	63.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 17.919 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 96 Resp: 33334

Ion Ratio Lower Upper

96 100

61 159.0 124.5 186.7

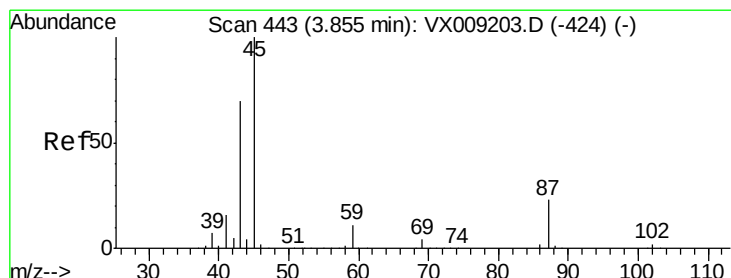
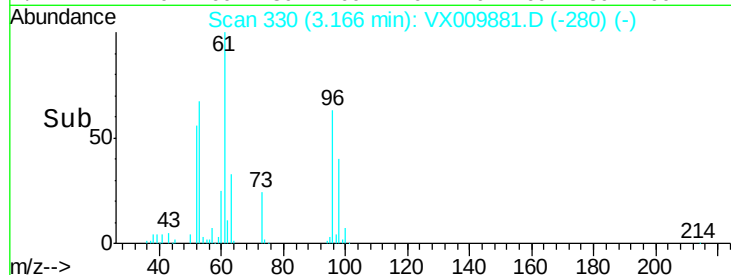
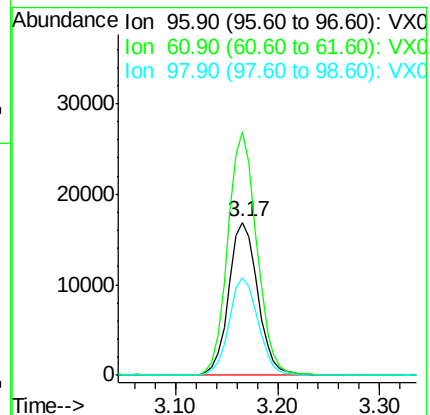
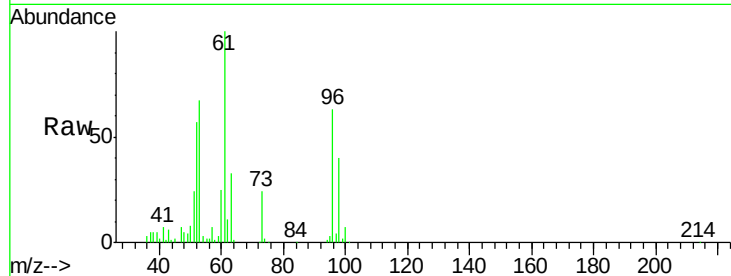
98 64.1 50.4 75.6

Manual Integrations

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5/28/2019 9:52:09 AM



#22

Diisopropyl ether

Concen: 18.918 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion: 45 Resp: 152082

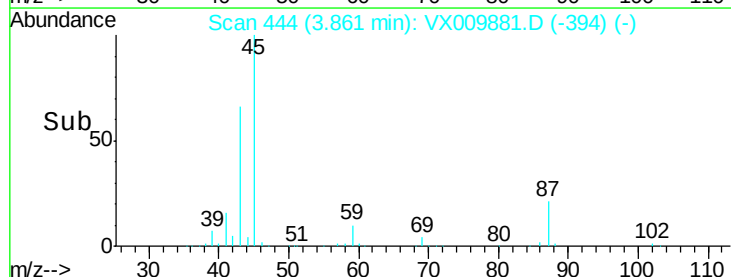
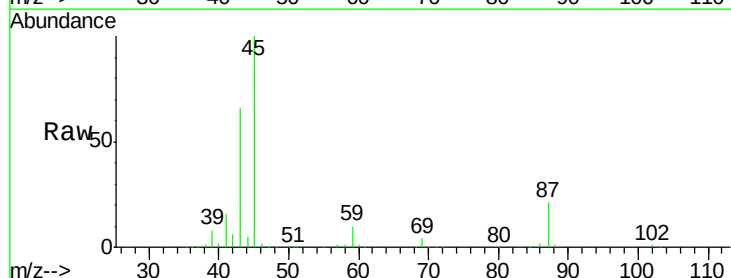
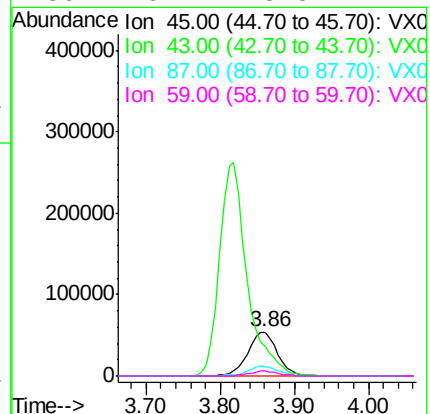
Ion Ratio Lower Upper

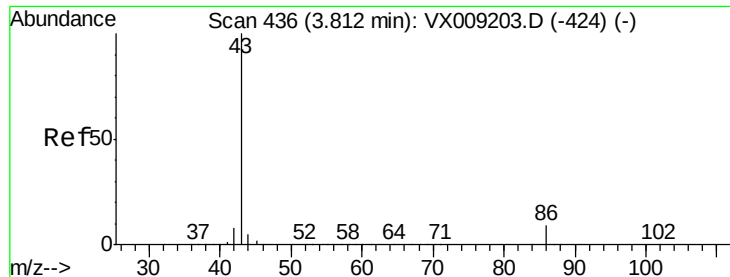
45 100

43 65.7 56.1 84.1

87 21.4 18.1 27.1

59 10.4 8.5 12.7





#23

Vinyl Acetate

Concen: 98.200 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 43 Resp: 676015

Ion Ratio Lower Upper

43 100

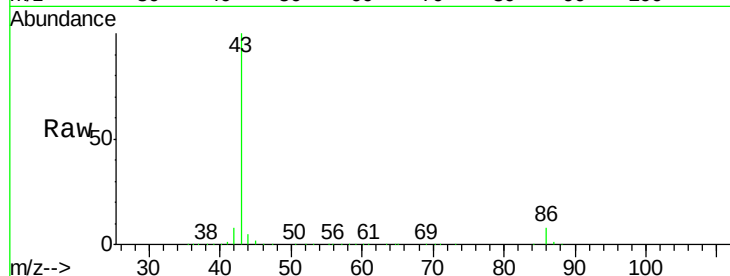
86 8.0 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

250000

200000

150000

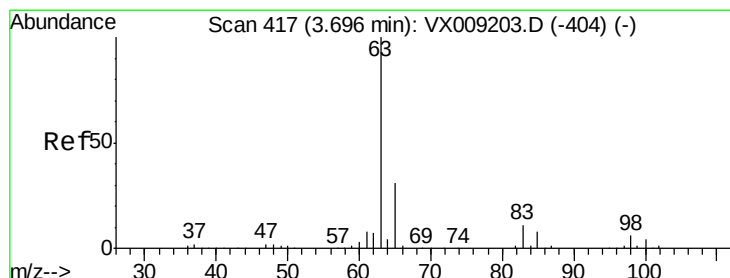
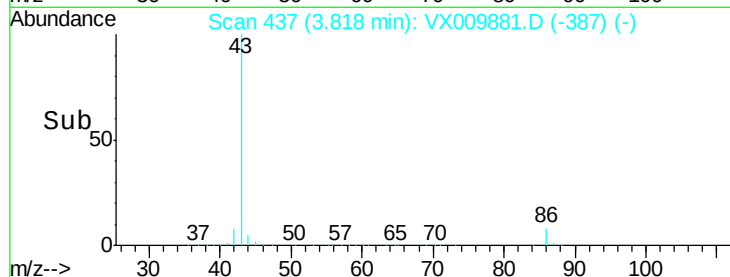
100000

50000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.976 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

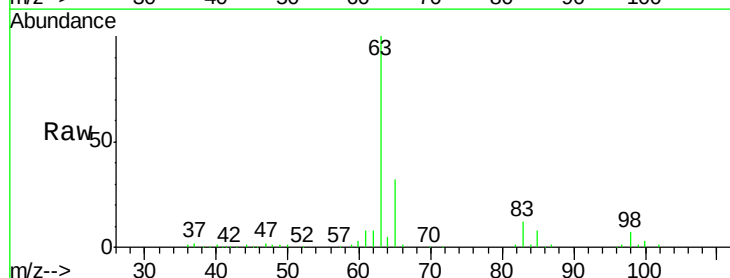
Tgt Ion: 63 Resp: 71288

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

40000

30000

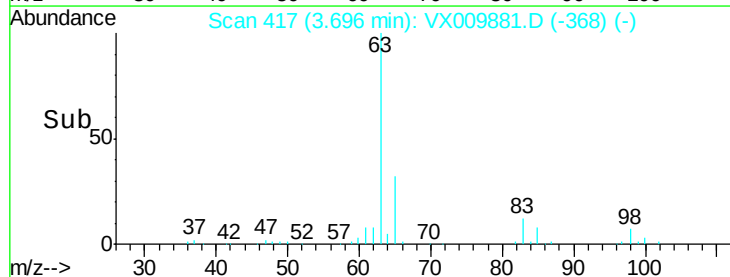
20000

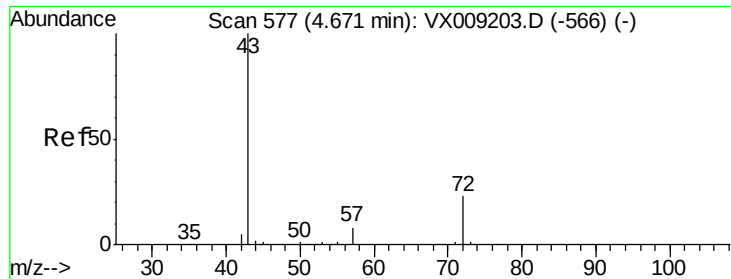
10000

0

3.60 3.80

Time-->





#25

2-Butanone

Concen: 98.572 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 43 Resp: 205269

Ion Ratio Lower Upper

43 100

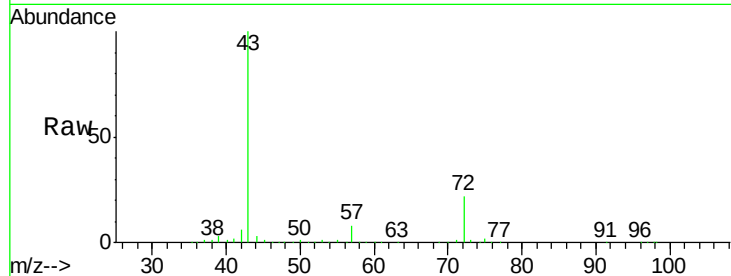
72 21.7 18.2 27.2

Manual Integrations

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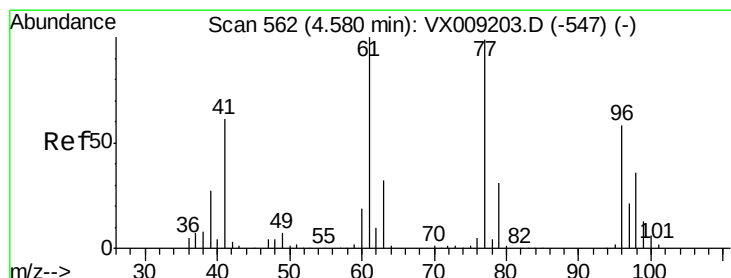
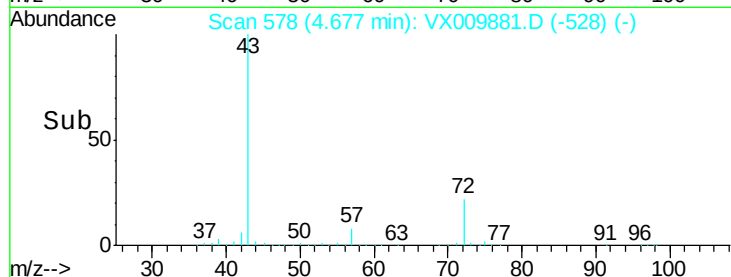
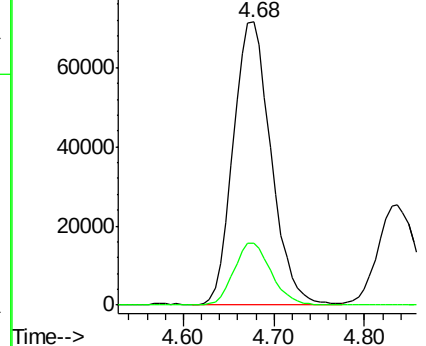
MMDadoda

5/28/2019 9:52:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.437 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009881.D

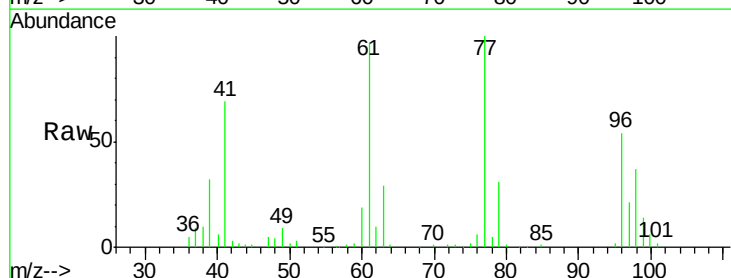
Acq: 24 May 2019 13:03

Tgt Ion: 77 Resp: 51472

Ion Ratio Lower Upper

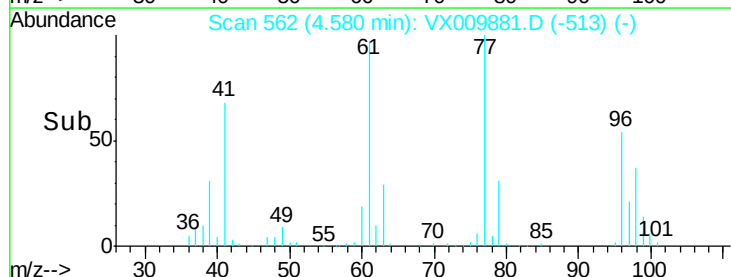
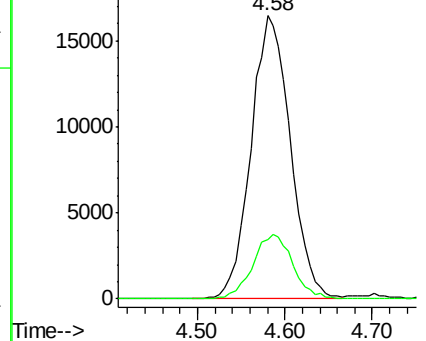
77 100

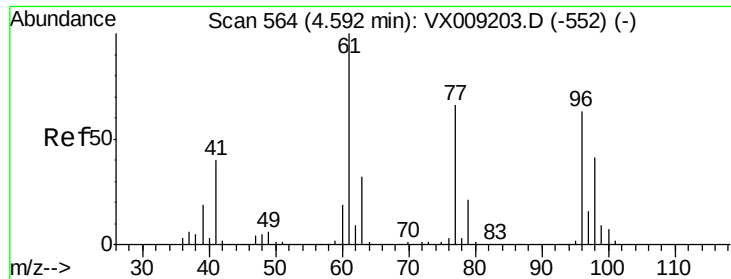
97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

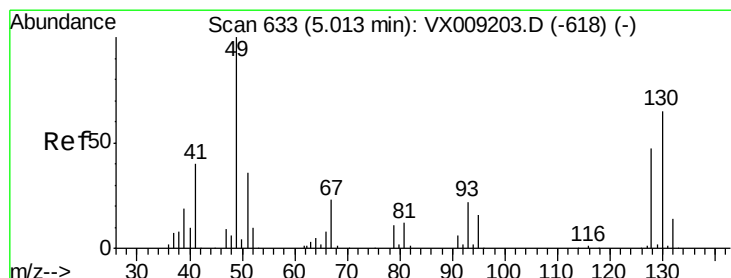
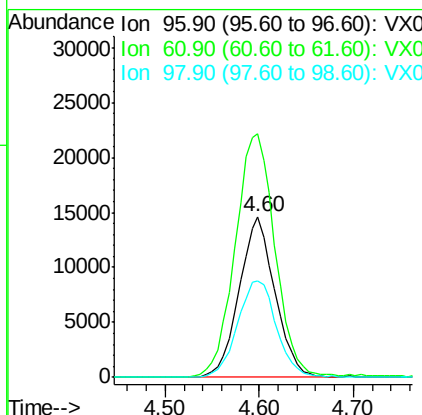
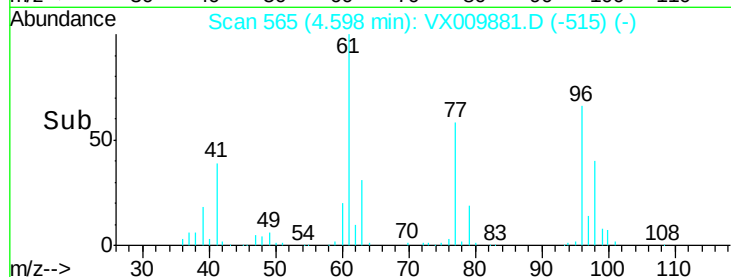
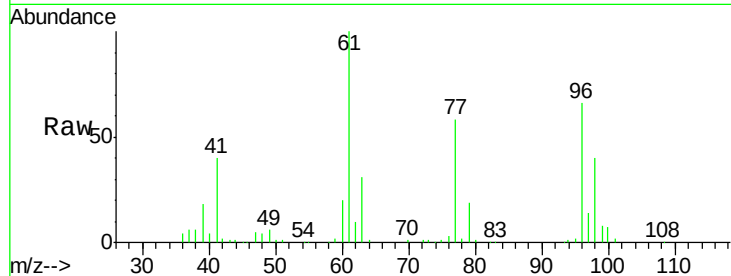
cis-1,2-Dichloroethene
Concen: 17.538 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	168.5	0.0	324.0	
98	65.6	0.0	130.4	

Manual Integrations
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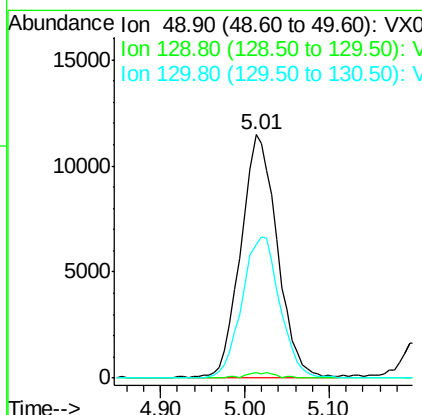
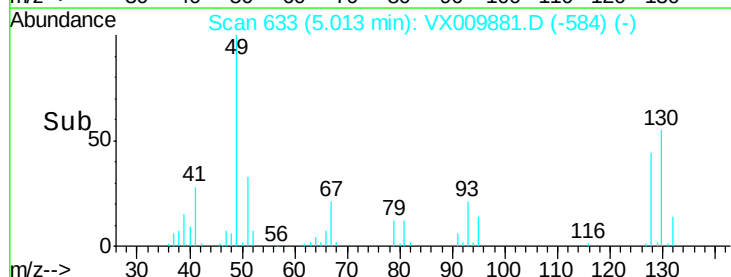
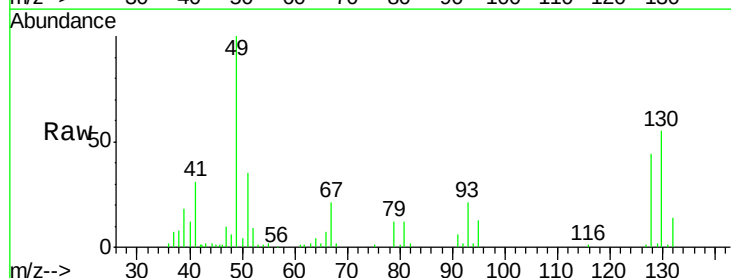
MMDadoda
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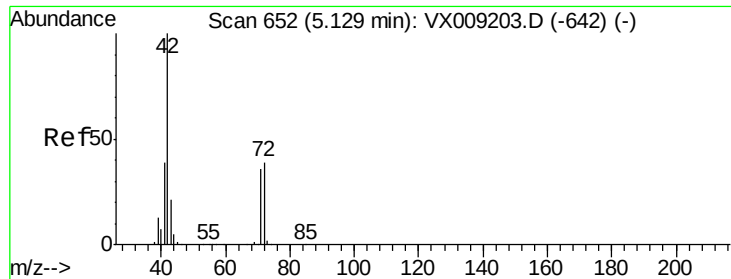


#28

Bromochloromethane
Concen: 19.469 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.8	
130	60.0	51.2	76.8	





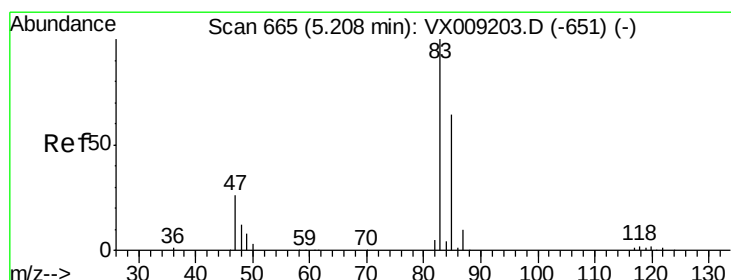
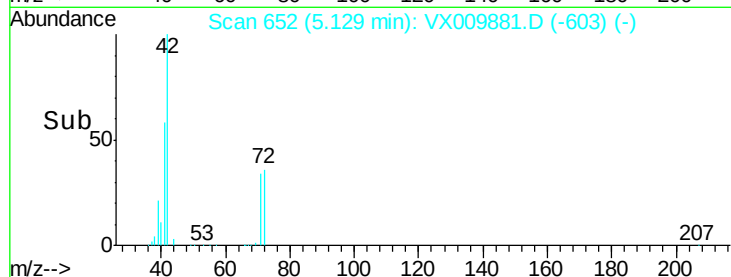
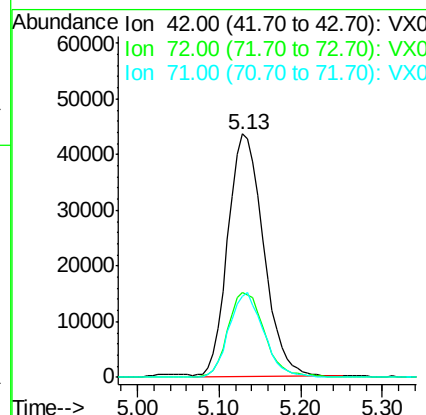
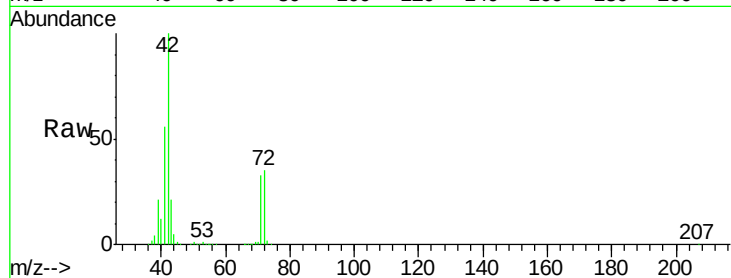
#29
Tetrahydrofuran
Concen: 98.353 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	30.4	45.6
71	34.0	28.6	43.0

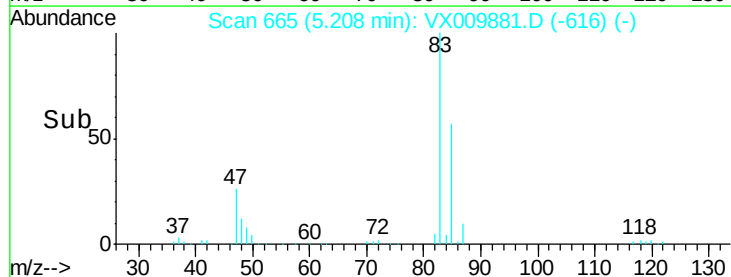
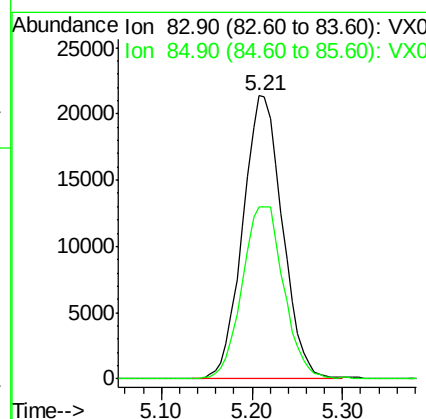
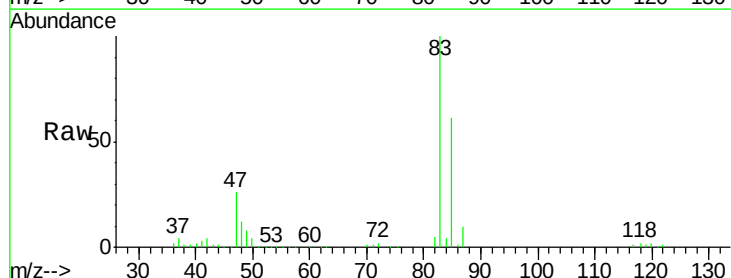
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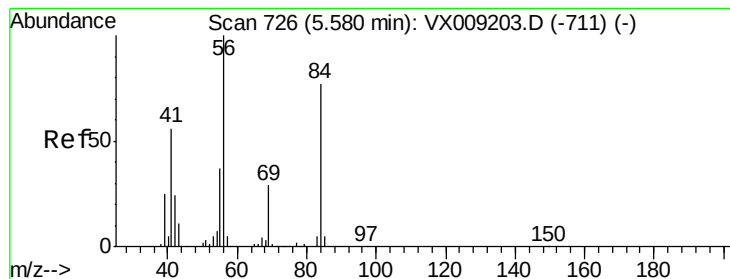
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#30
Chloroform
Concen: 18.025 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.5	77.3





#31

Cyclohexane

Concen: 18.499 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

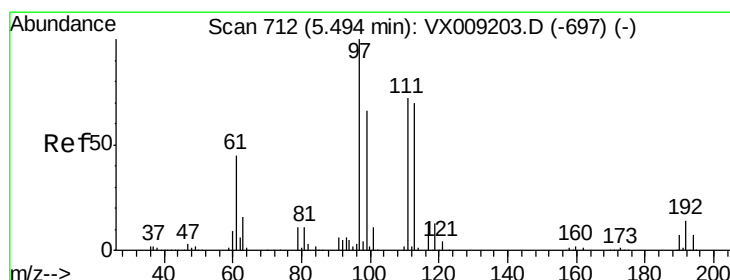
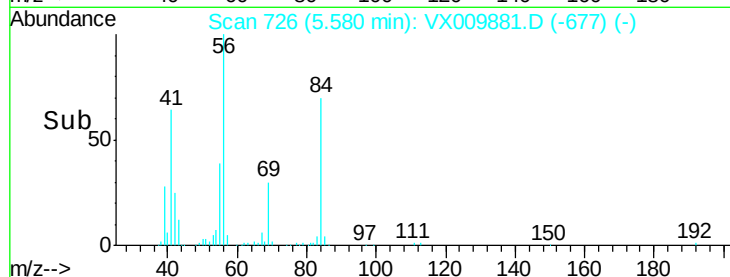
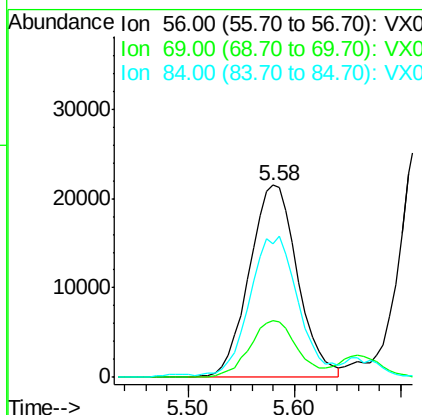
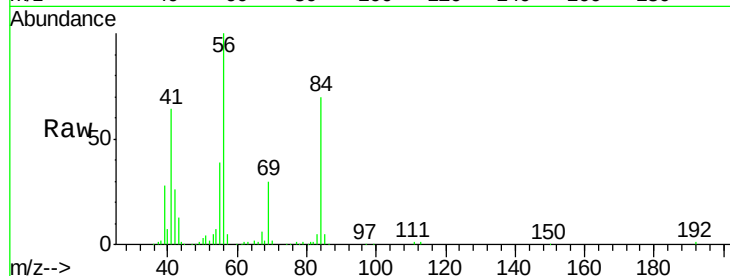
ClientSampleId :

VX0524WBS01

Tot Ion:	56	Resp:	68256
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.4	35.0
84	68.2	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 17.667 ug/l

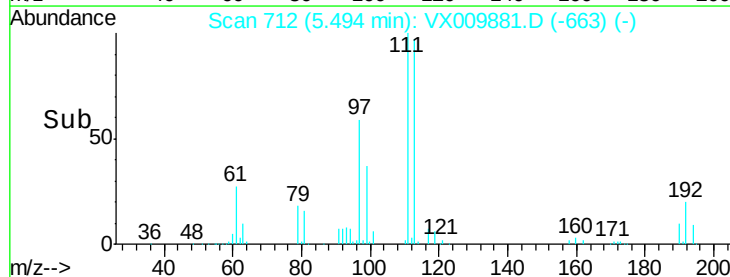
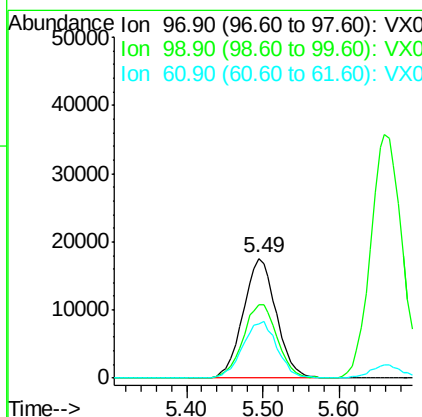
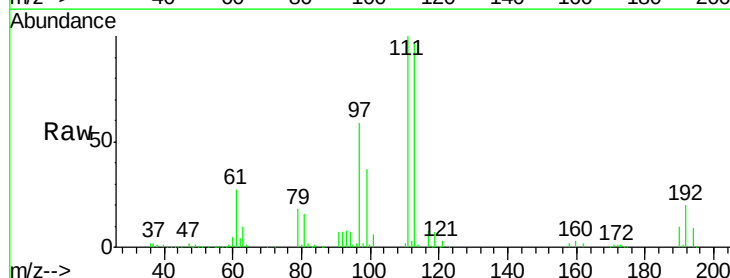
RT: 5.49 min Scan# 712

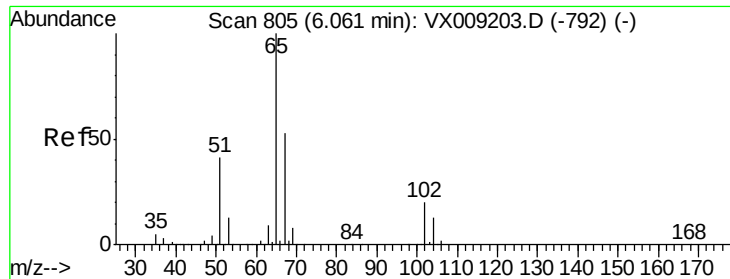
Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion:	97	Resp:	52752
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	49.6	37.8	56.8





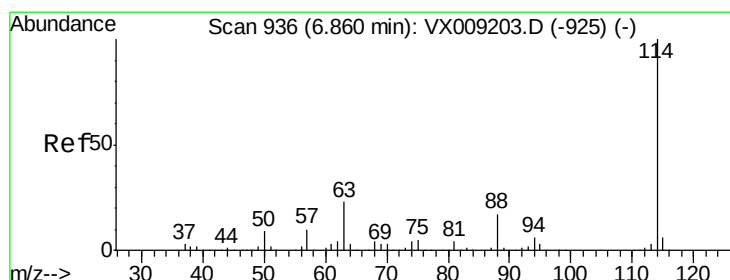
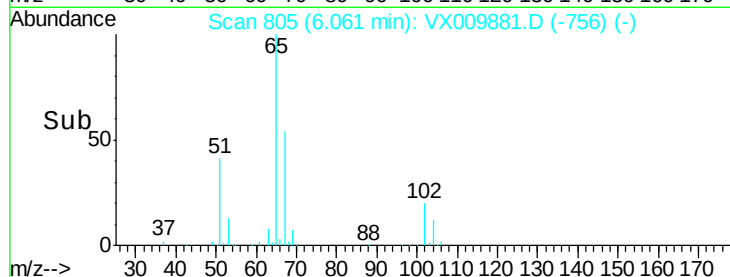
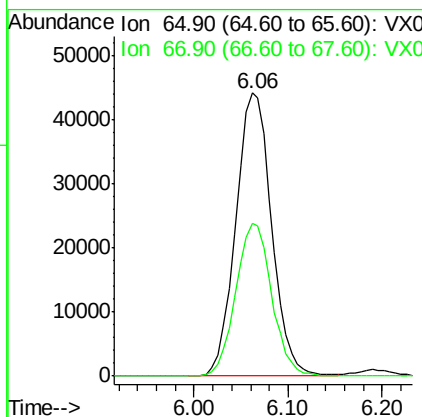
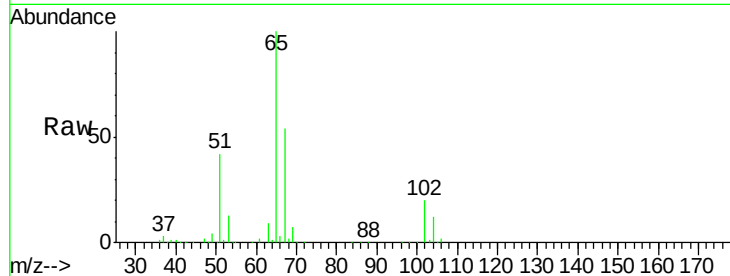
#33
 1,2-Dichloroethane-d4
 Concen: 47.078 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117490		
67	54.1	0.0	106.6	

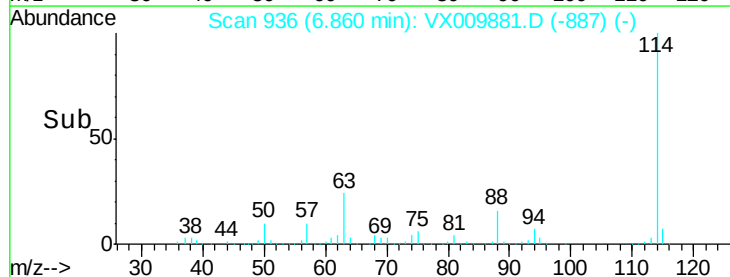
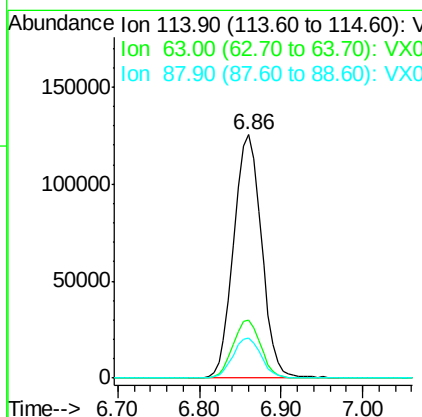
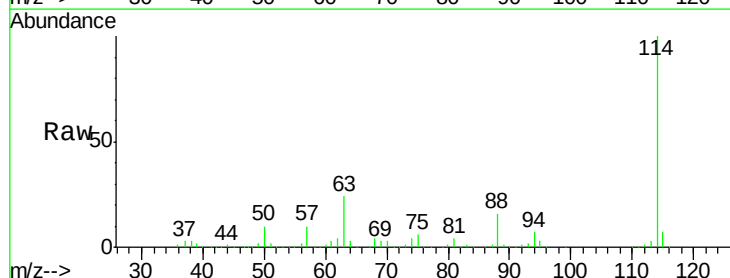
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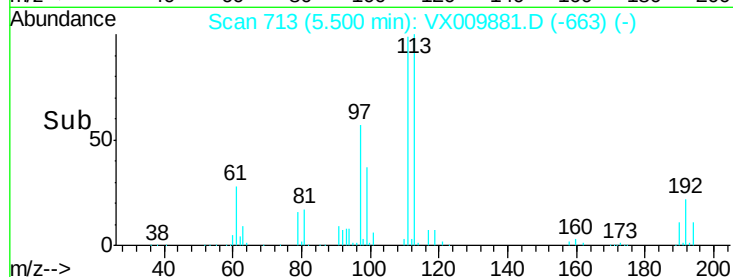
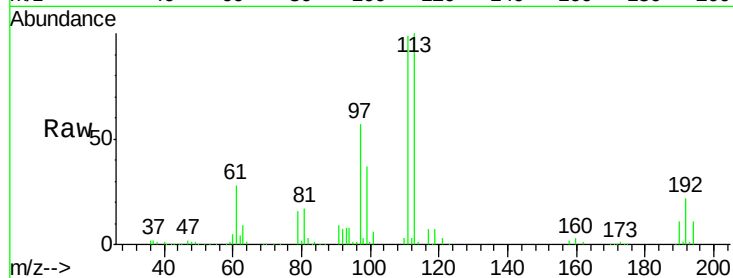
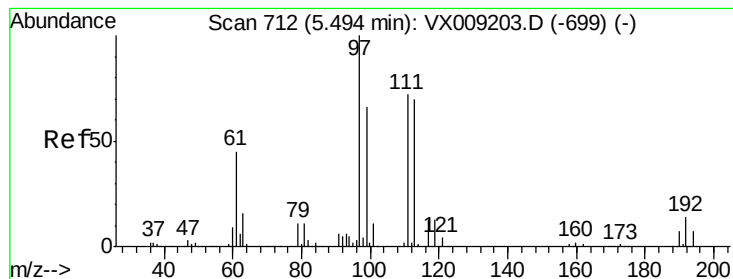
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	296553		
63	23.8	0.0	45.6	
88	16.4	0.0	33.2	





#35

Dibromofluoromethane

Concen: 44.663 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009881.D

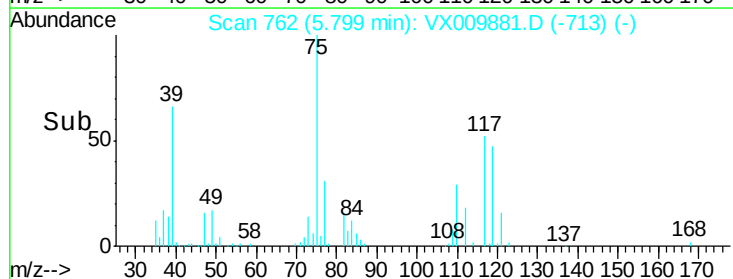
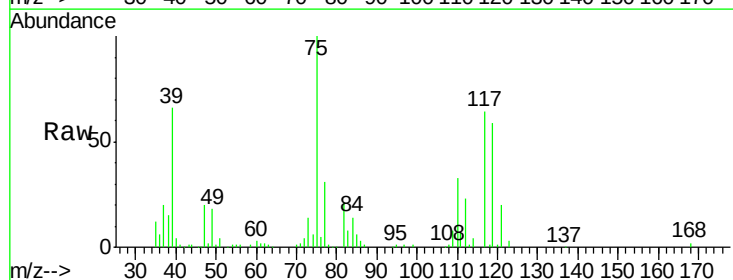
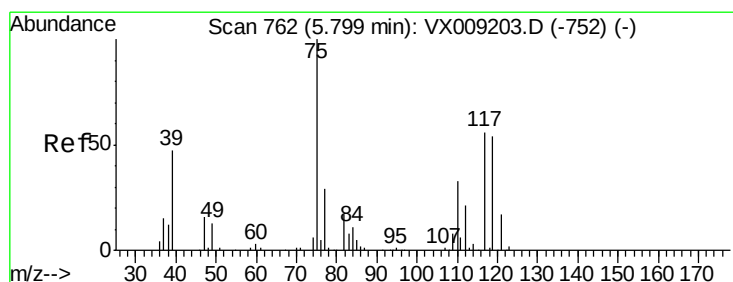
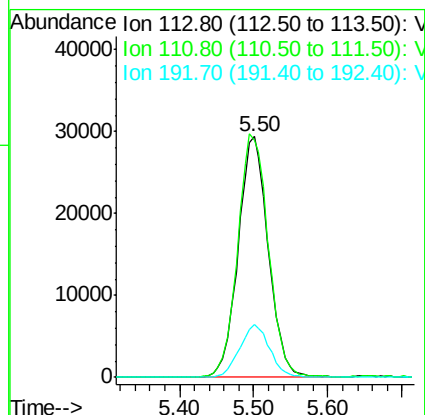
Acq: 24 May 2019 13:03

Tot Ion:	113	Resp:	83263
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.8	124.2
192	21.8	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

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#36

1,1-Dichloropropene

Concen: 17.752 ug/l

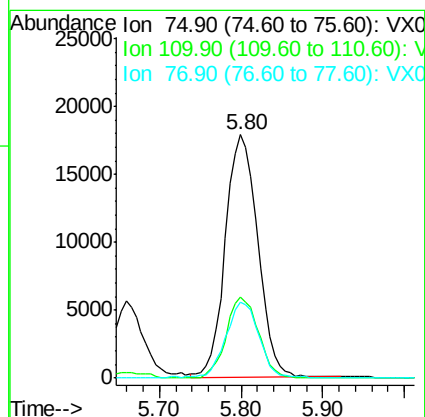
RT: 5.80 min Scan# 762

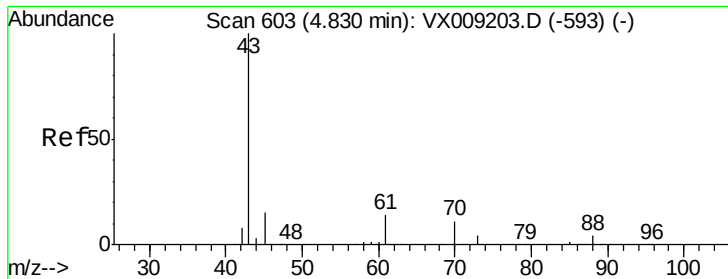
Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion:	75	Resp:	48922
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	32.2	24.8	37.2





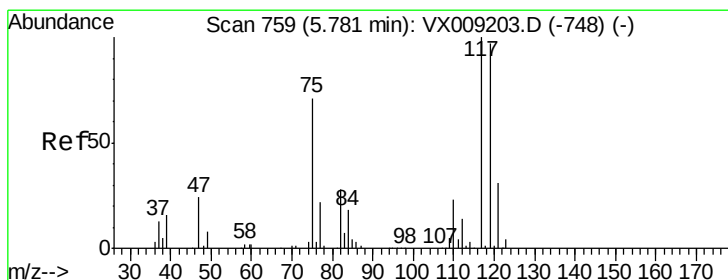
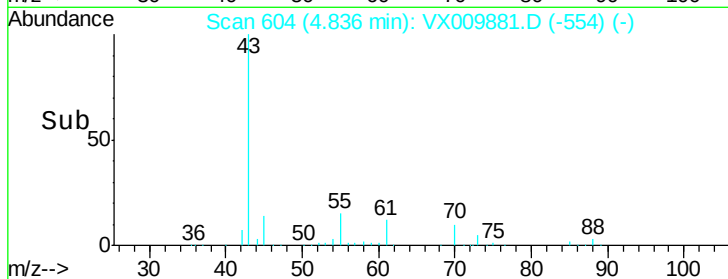
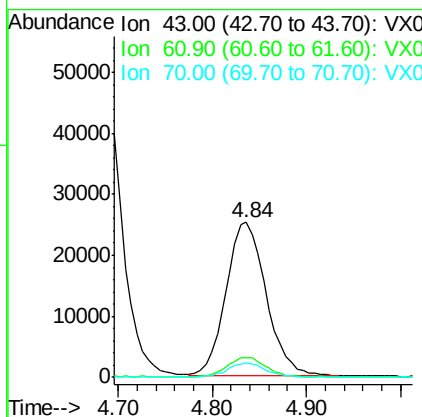
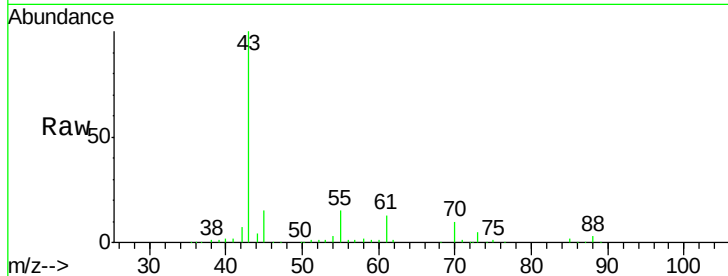
#37
Ethyl Acetate
Concen: 19.503 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	43	Resp	74889
Ion Ratio	100	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.1	7.9	11.9

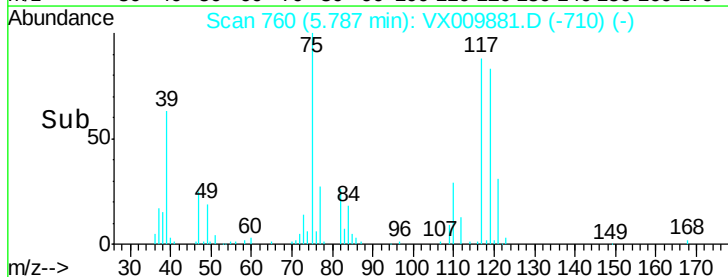
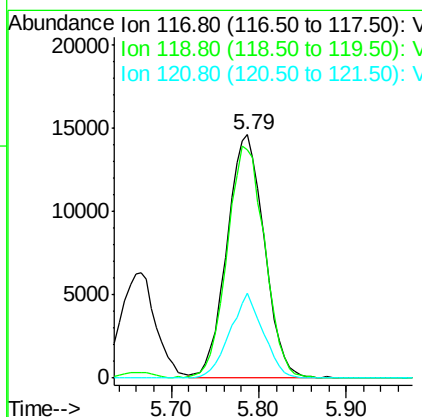
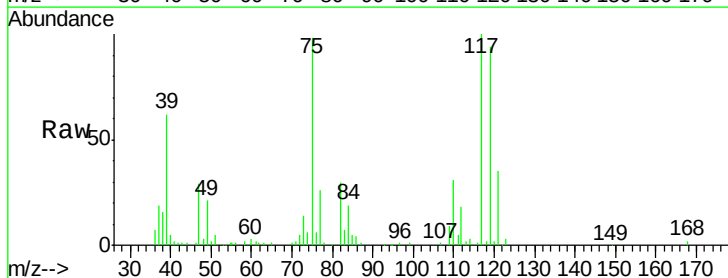
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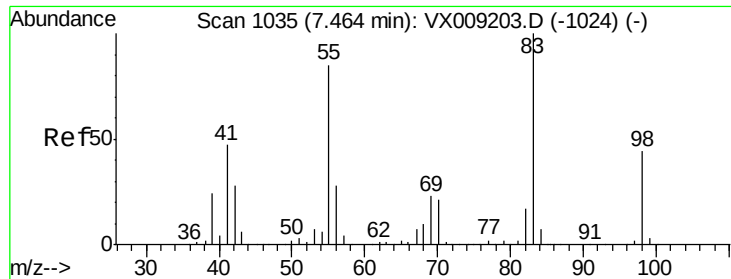
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#38
Carbon Tetrachloride
Concen: 17.348 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion	117	Resp	43437
Ion Ratio	100	Lower	Upper
117	100		
119	93.7	77.5	116.3
121	35.1	24.7	37.1





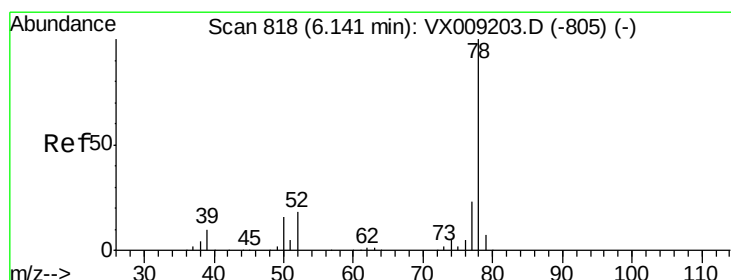
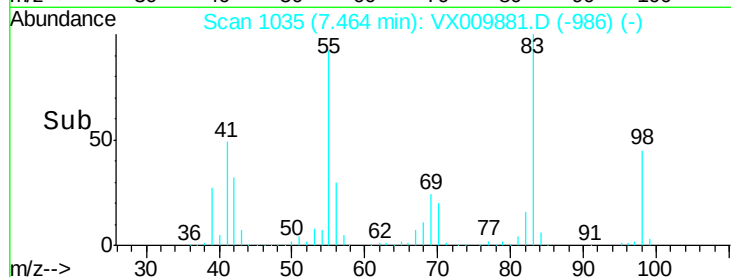
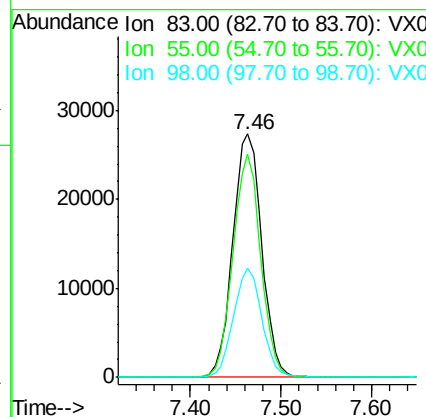
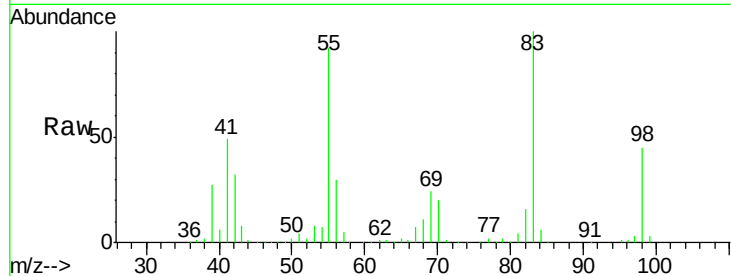
#39
Methylvlcyclohexane
Concen: 17.949 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	83.00	Resp	60748
Ion	Ratio	Lower	Upper
83	100		
55	91.7	67.7	101.5
98	45.1	35.5	53.3

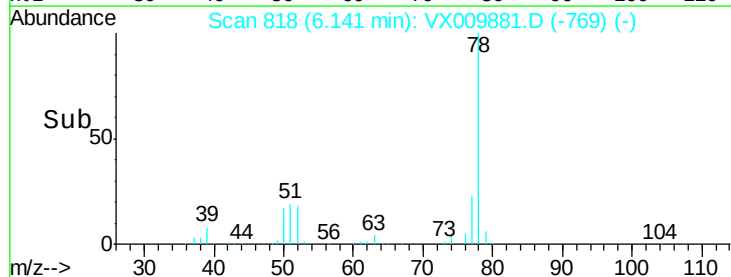
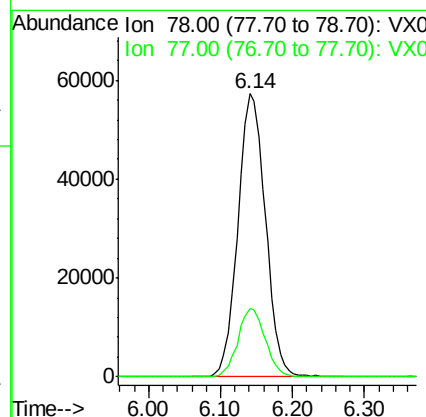
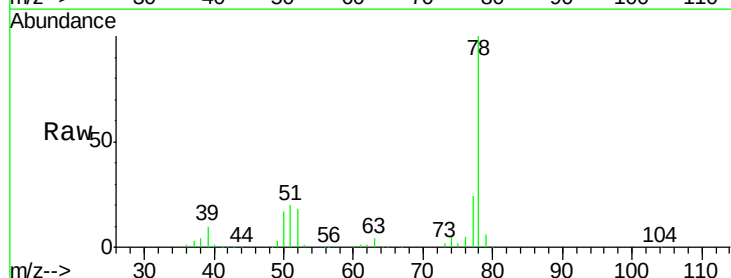
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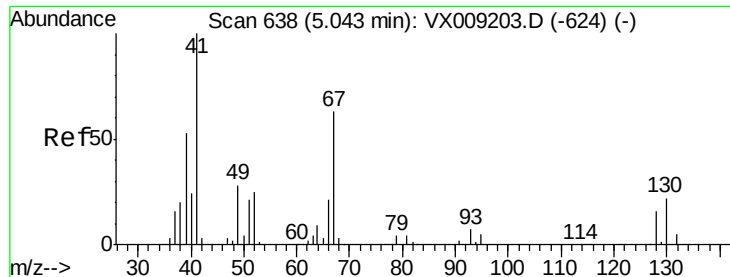
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#40
Benzene
Concen: 17.850 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion	78.00	Resp	152247
Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





#41

Methacrylonitrile

Concen: 18.290 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 41 Resp: 41806

Ion Ratio Lower Upper

41 100

39 53.9 42.0 63.0

67 61.3 49.8 74.8

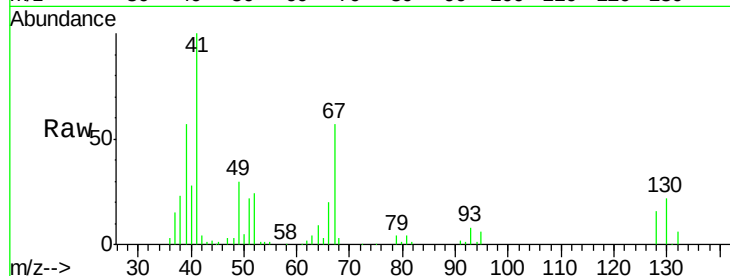
52 27.9 20.3 30.5

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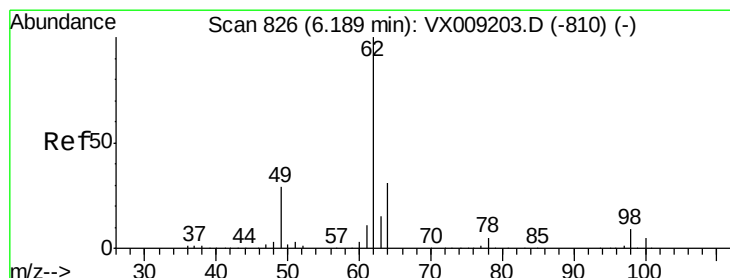
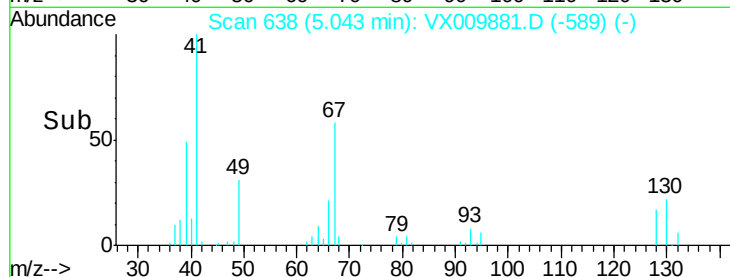
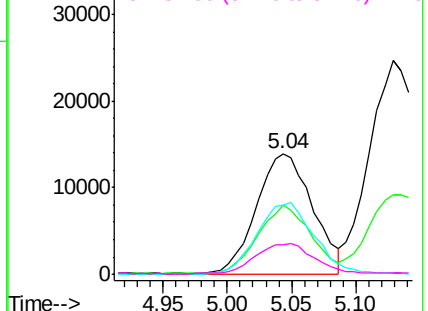


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.568 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009881.D

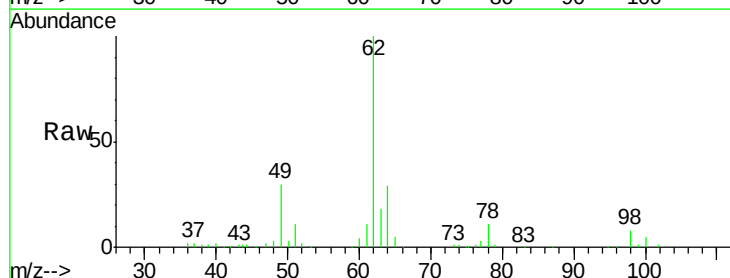
Acq: 24 May 2019 13:03

Tgt Ion: 62 Resp: 56809

Ion Ratio Lower Upper

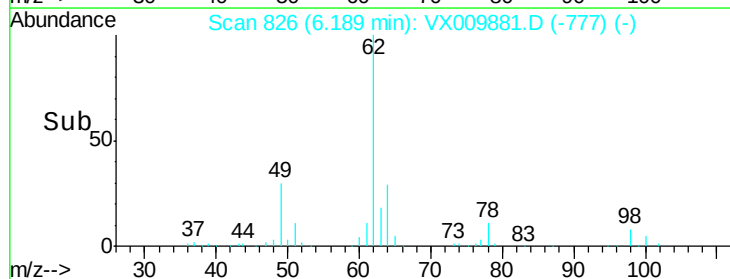
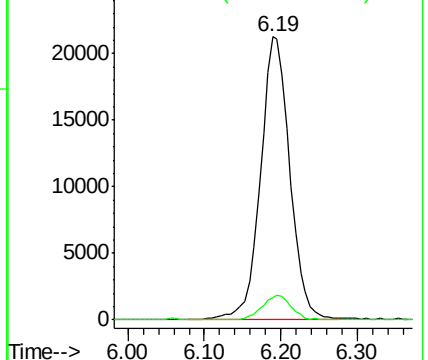
62 100

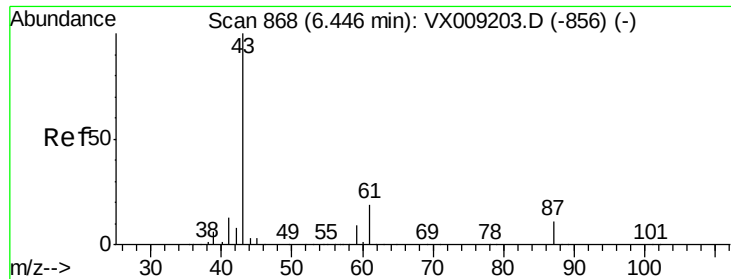
98 8.5 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.099 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 43 Resp: 117303

Ion Ratio Lower Upper

43 100

61 18.2 15.1 22.7

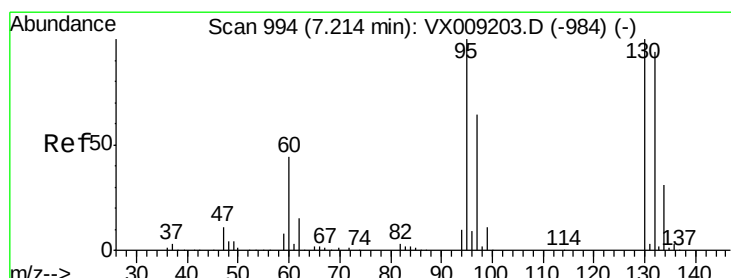
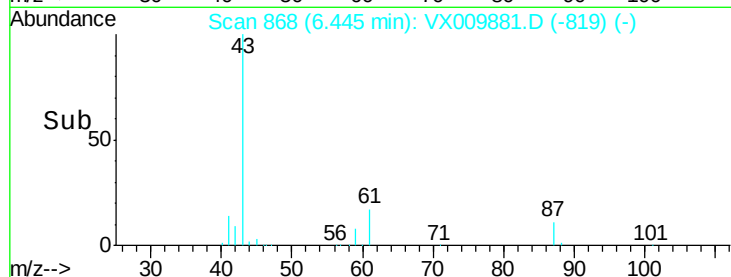
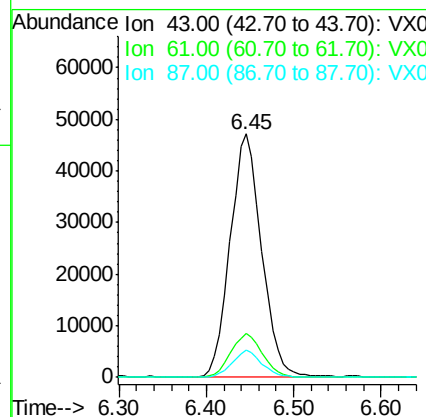
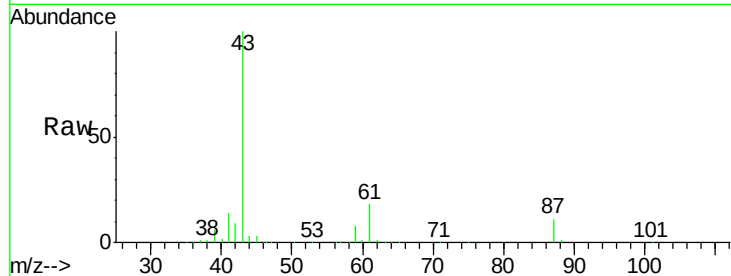
87 10.5 9.0 13.6

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#44

Trichloroethene

Concen: 17.237 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009881.D

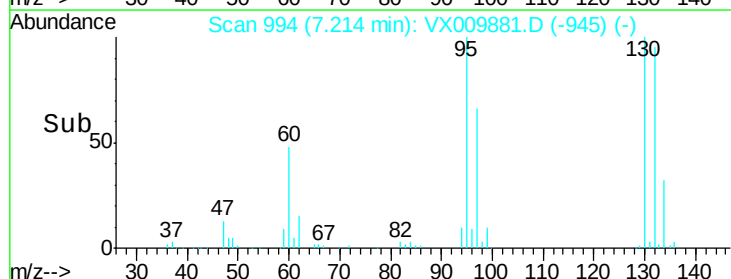
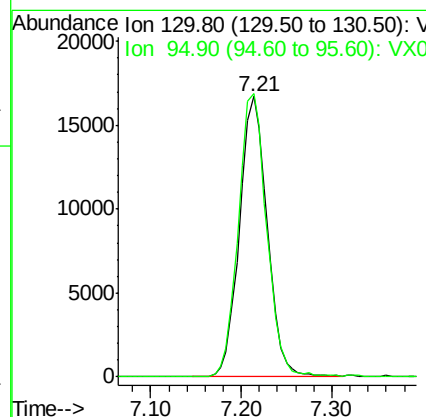
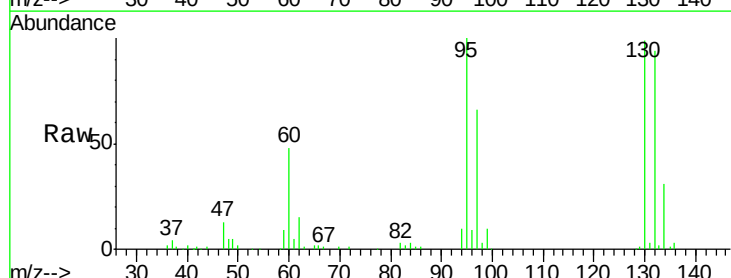
Acq: 24 May 2019 13:03

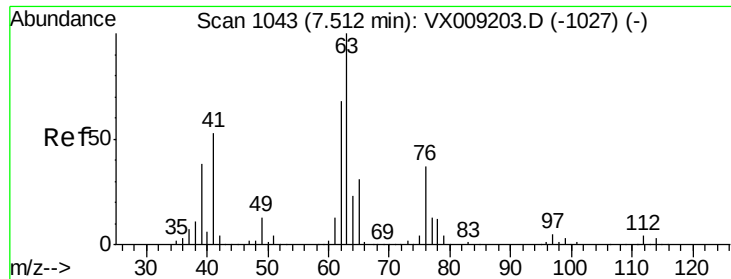
Tgt Ion:130 Resp: 35541

Ion Ratio Lower Upper

130 100

95 100.8 0.0 199.2





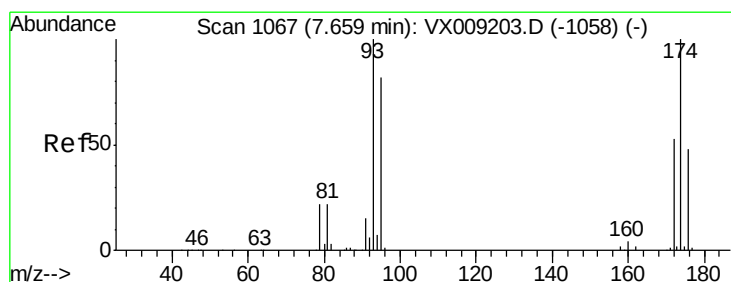
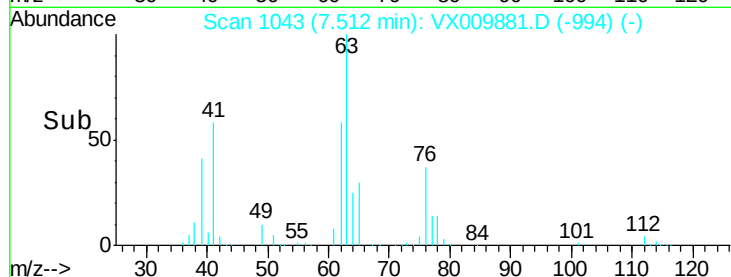
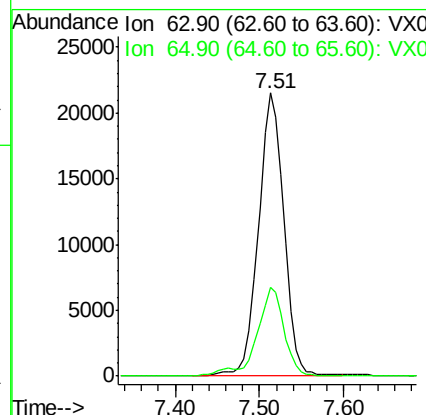
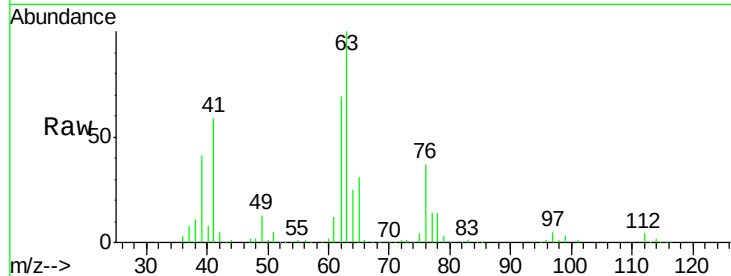
#45
 1,2-Dichloropropane
 Concen: 18.394 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampled :
 VX0524WBS01

Tot Ion: 63 Resp: 44422
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

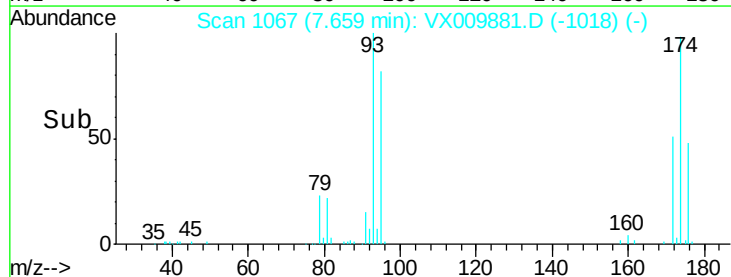
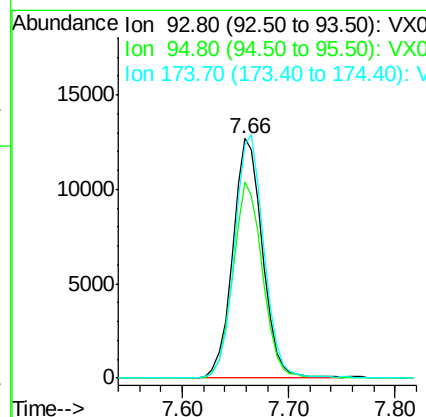
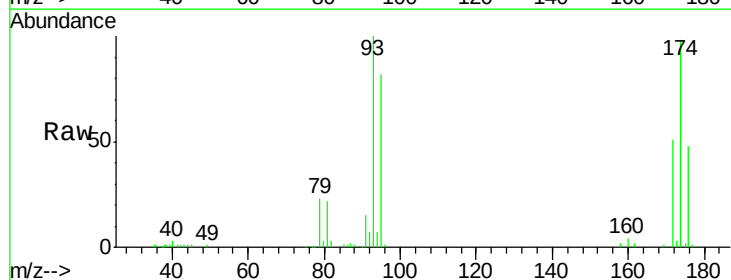
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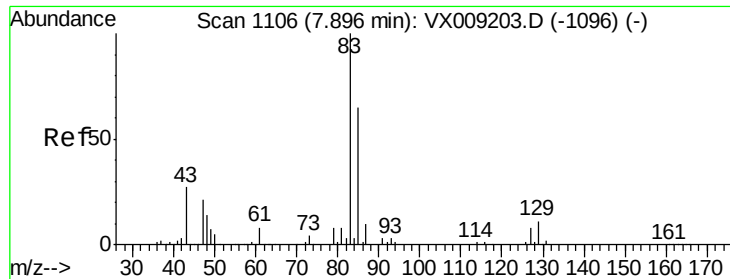
MMDadoda
 5/28/2019 9:52:09 AM



#46
 Dibromomethane
 Concen: 17.696 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion: 93 Resp: 24818
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.5 99.7
 174 100.5 82.1 123.1





#47

Bromodichloromethane

Concen: 17.337 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

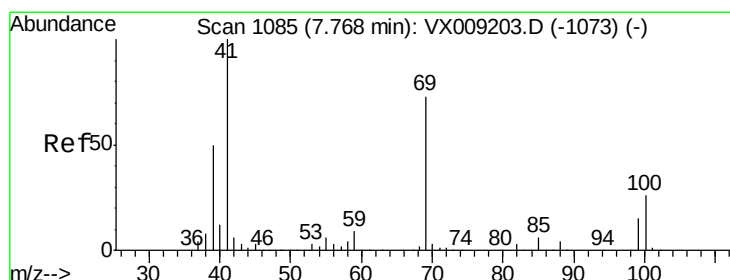
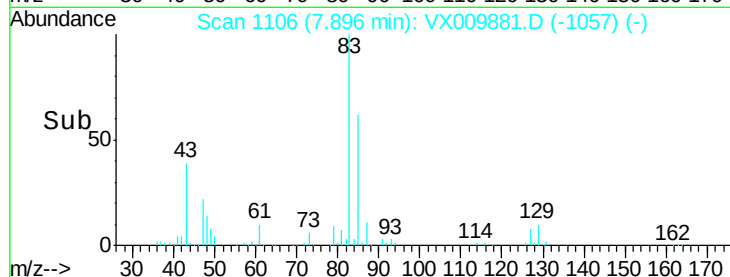
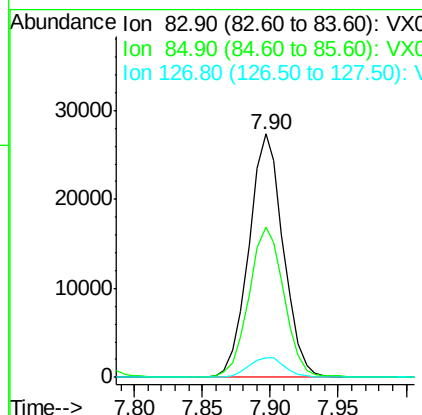
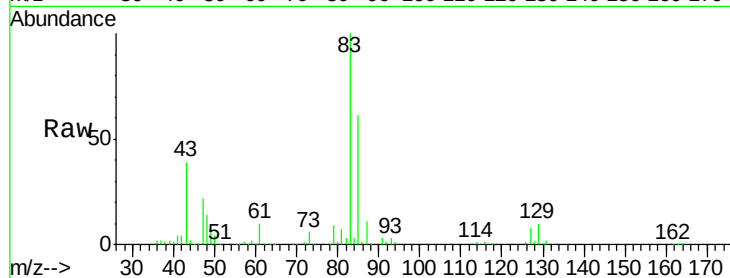
ClientSampleId :

VX0524WBS01

Tot Ion:	83	Resp:	48501
Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.4	78.6
127	8.1	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.317 ug/l

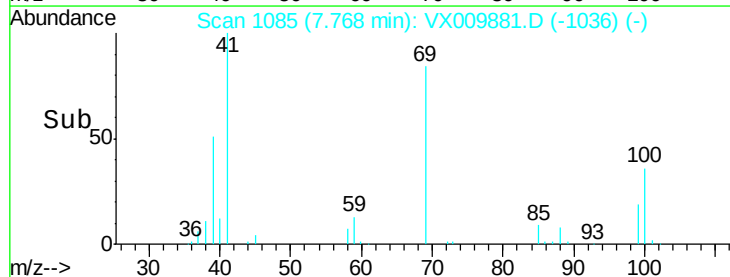
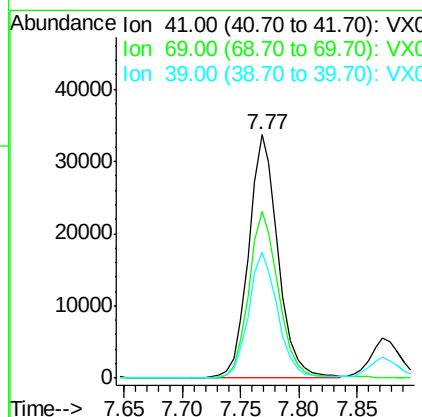
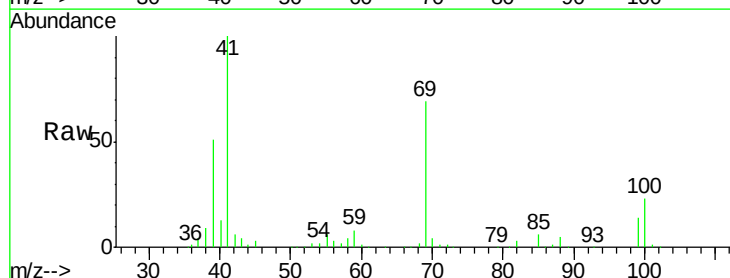
RT: 7.77 min Scan# 1085

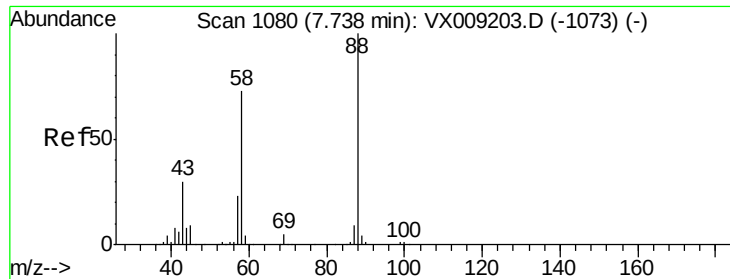
Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion:	41	Resp:	58861
Ion	Ratio	Lower	Upper
41	100		
69	70.3	59.1	88.7
39	51.4	40.4	60.6





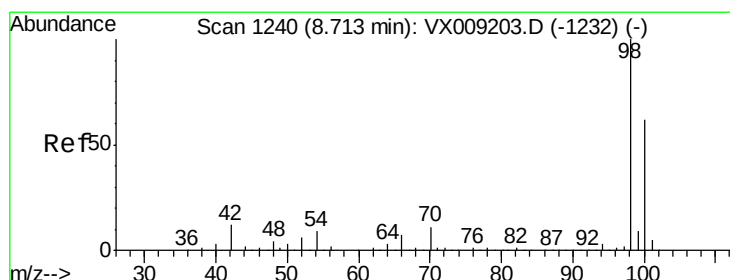
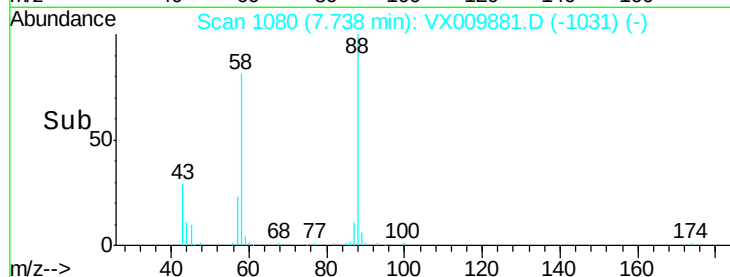
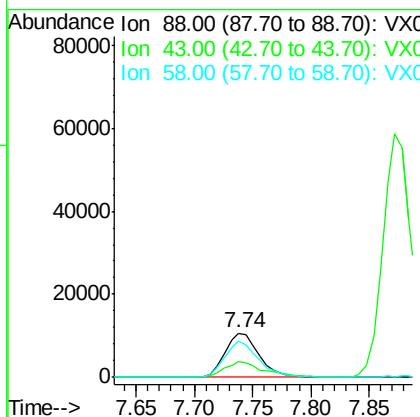
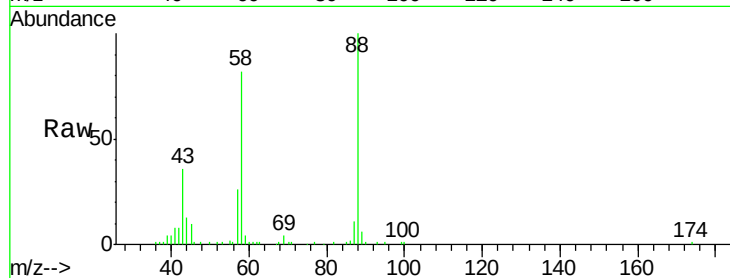
#49
1,4-Dioxane
Concen: 350.717 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	28.6	42.8
58	82.2	61.7	92.5

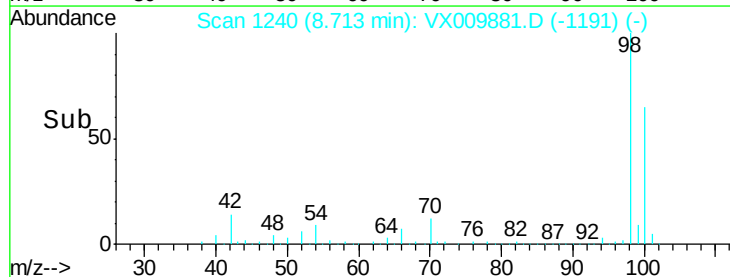
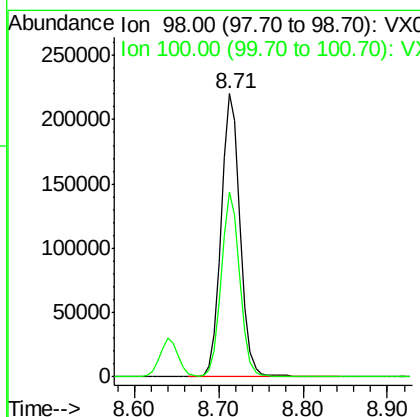
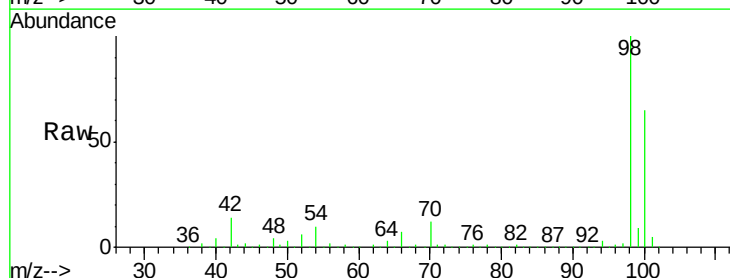
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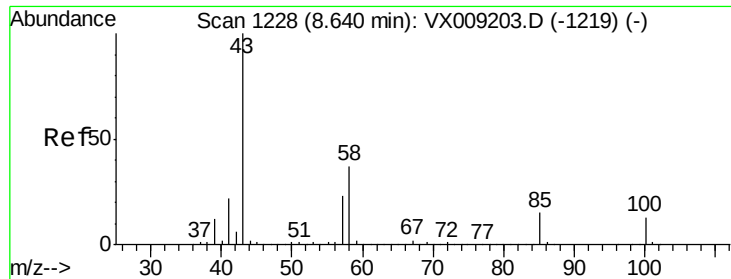
MMDadoda
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#50
Toluene-d8
Concen: 45.676 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 98.754 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 43 Resp: 396450

Ion Ratio Lower Upper

43 100

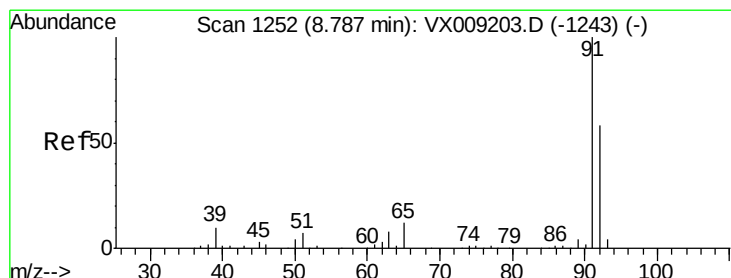
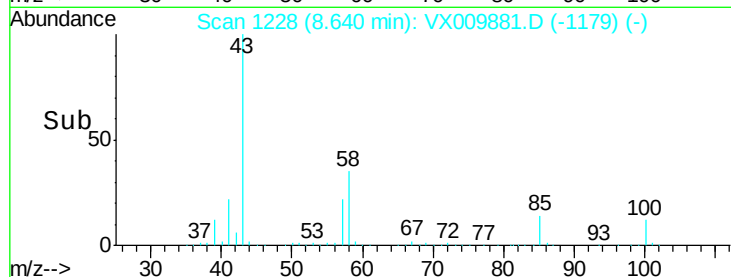
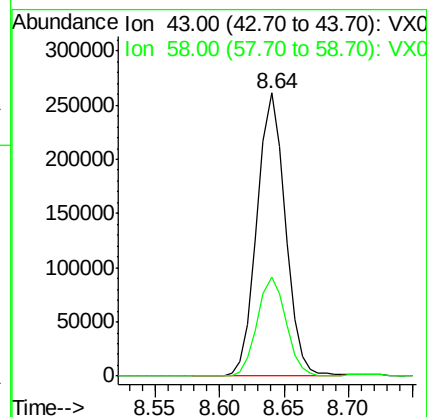
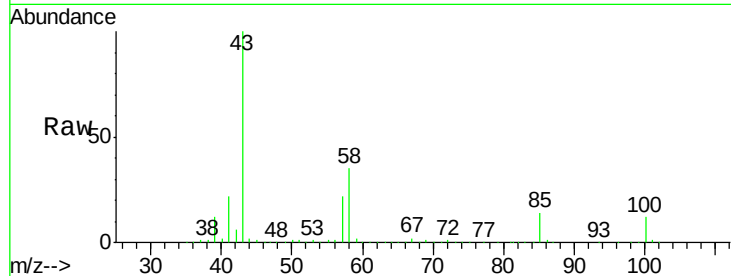
58 35.5 29.5 44.3

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#52

Toluene

Concen: 17.935 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009881.D

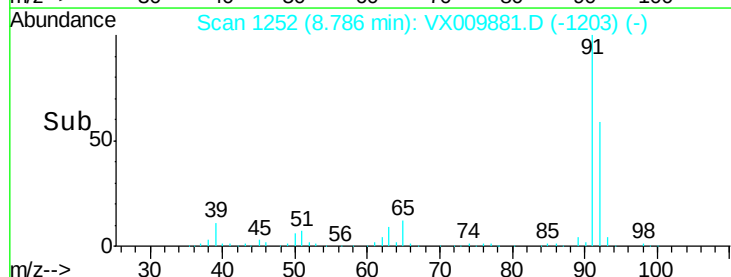
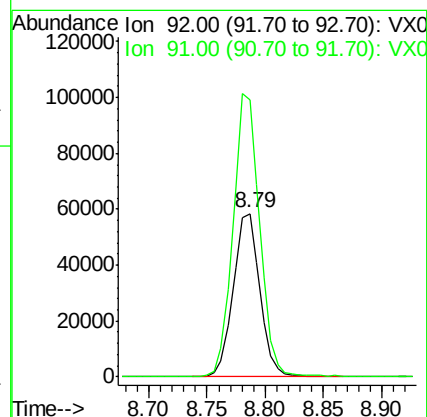
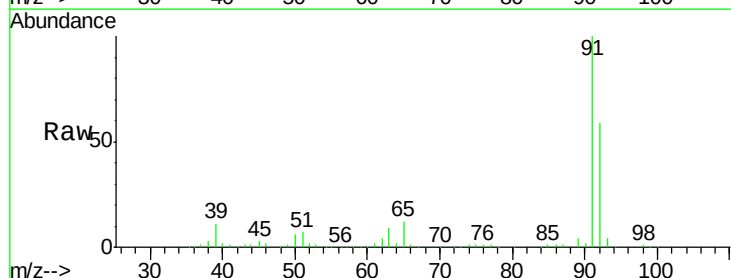
Acq: 24 May 2019 13:03

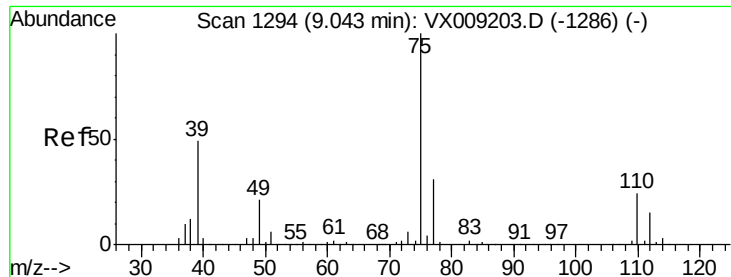
Tgt Ion: 92 Resp: 92985

Ion Ratio Lower Upper

92 100

91 174.1 138.8 208.2





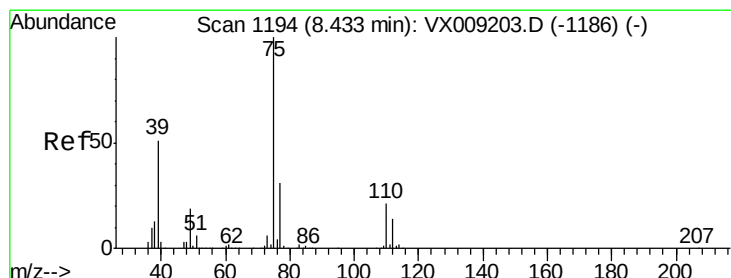
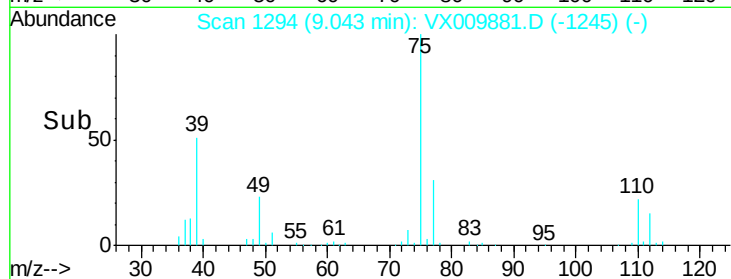
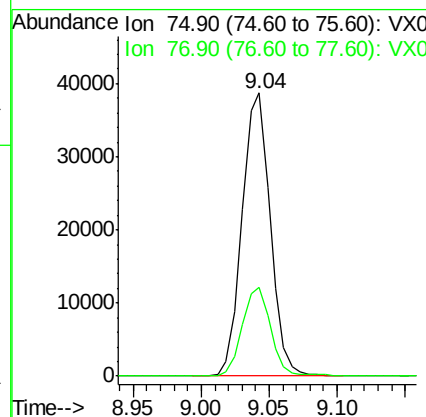
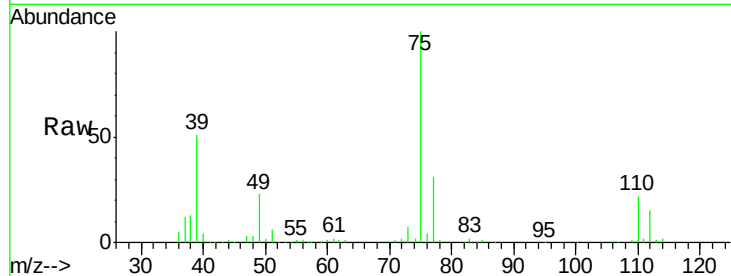
#53
t-1,3-Dichloropropene
Concen: 17.785 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion: 75 Resp: 56172
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

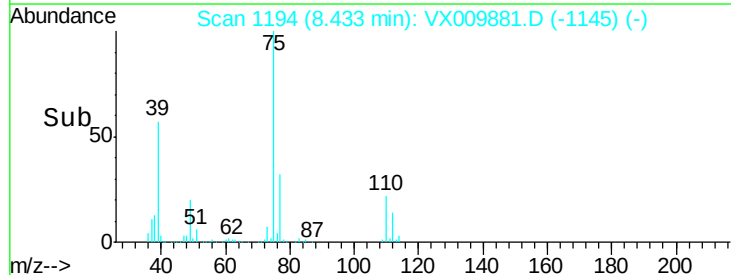
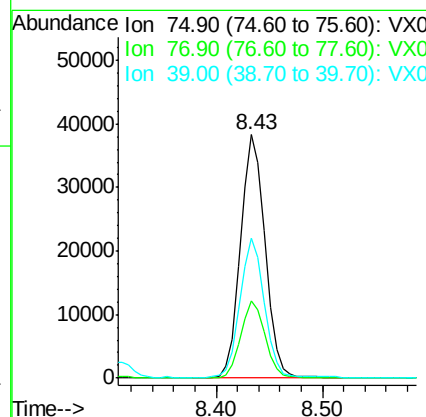
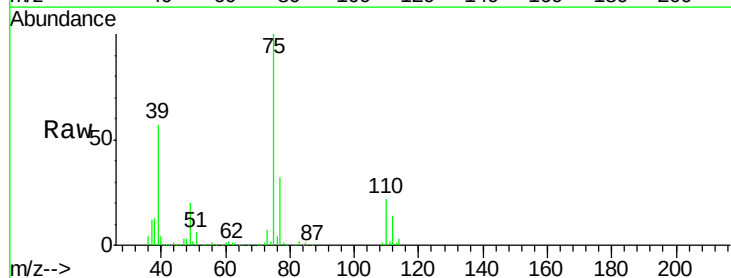
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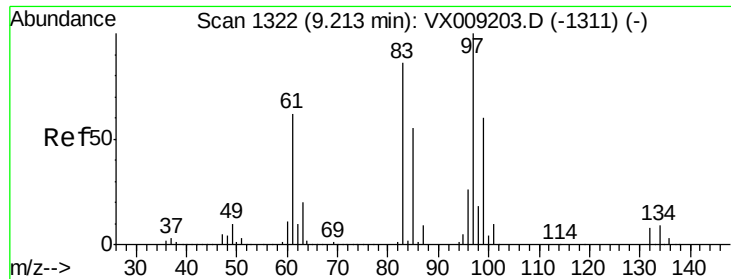
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.816 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion: 75 Resp: 62283
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 57.1 40.6 60.8





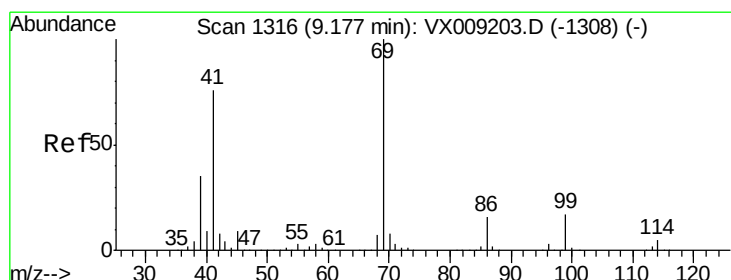
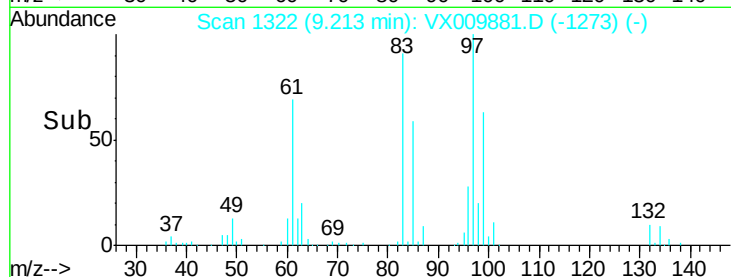
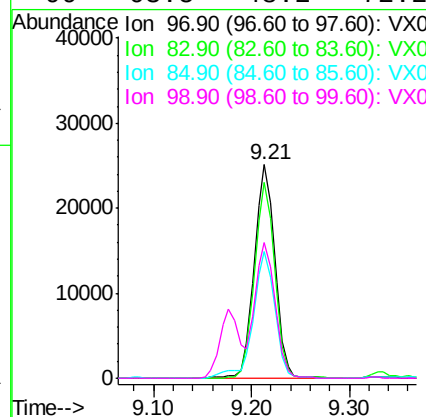
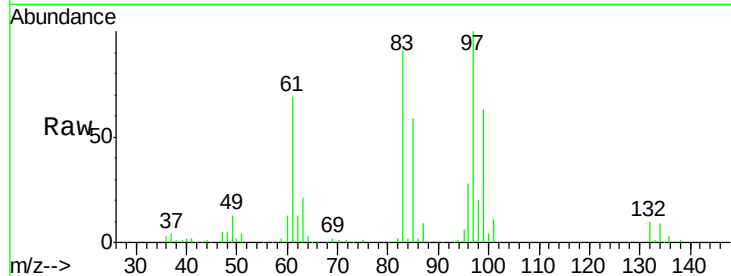
#55
 1,1,2-Trichloroethane
 Concen: 17.506 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion:	97	Resp:	37028
Ion	Ratio	Lower	Upper
97	100		
83	91.4	68.9	103.3
85	59.5	43.8	65.6
99	63.5	48.2	72.2

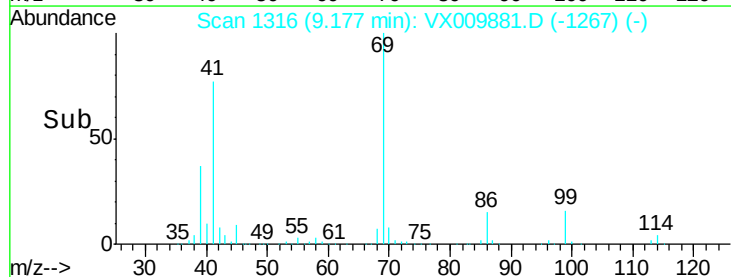
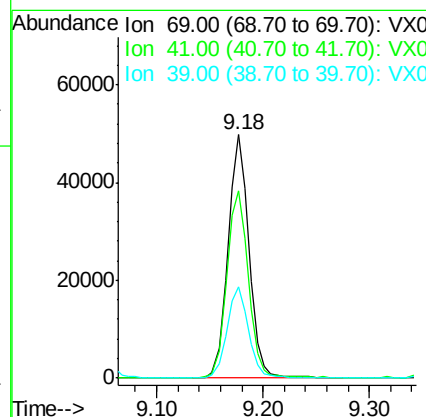
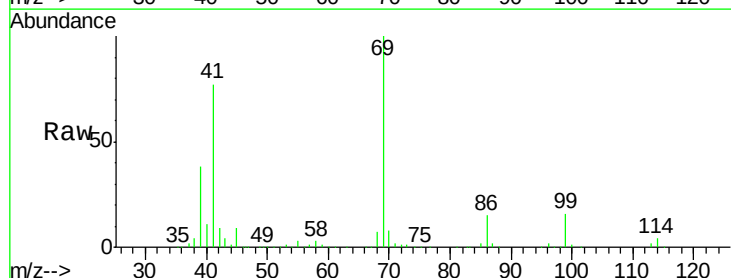
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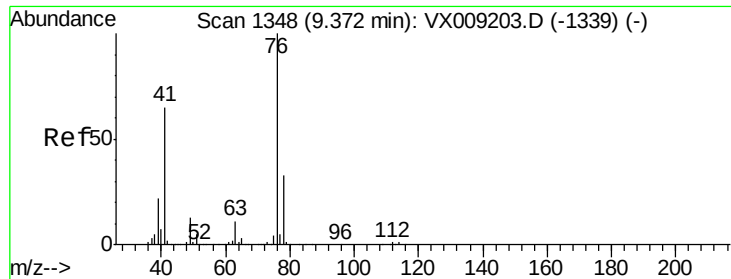
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#56
 Ethyl methacrylate
 Concen: 18.255 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion:	69	Resp:	68926
Ion	Ratio	Lower	Upper
69	100		
41	78.7	60.6	90.8
39	38.3	28.2	42.4





#57

1,3-Dichloropropane

Concen: 18.074 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 76 Resp: 67273

Ion Ratio Lower Upper

76 100

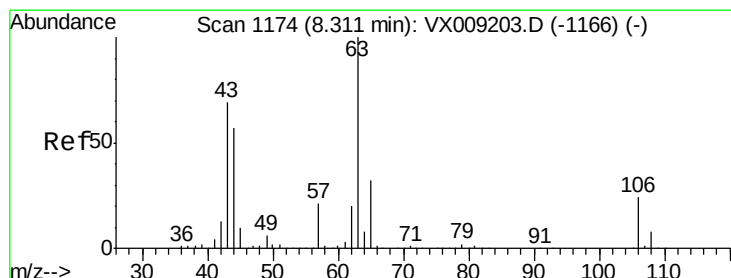
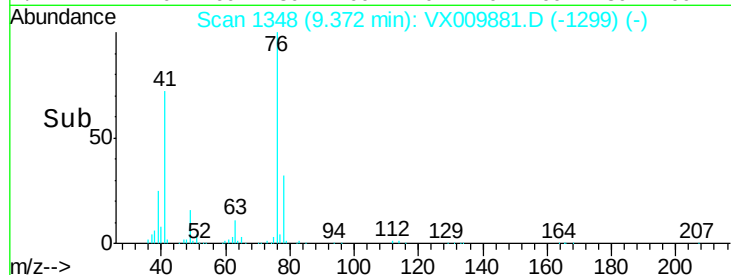
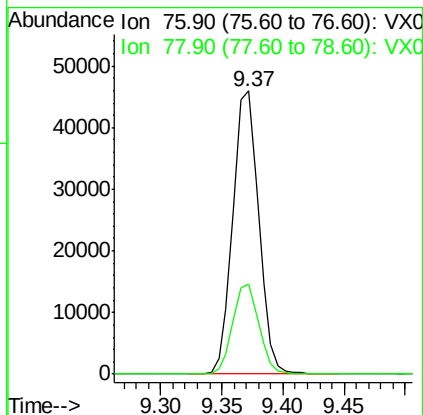
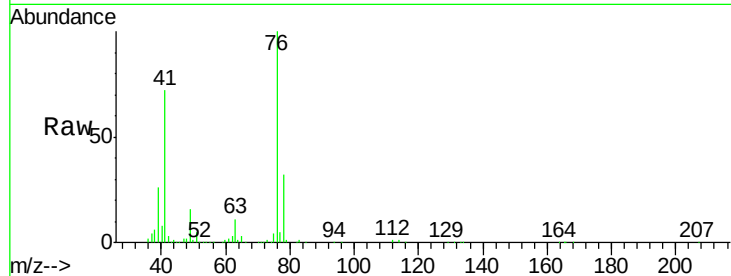
78 32.0 25.5 38.3

Manual Integrations

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5/28/2019 9:52:09 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.139 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009881.D

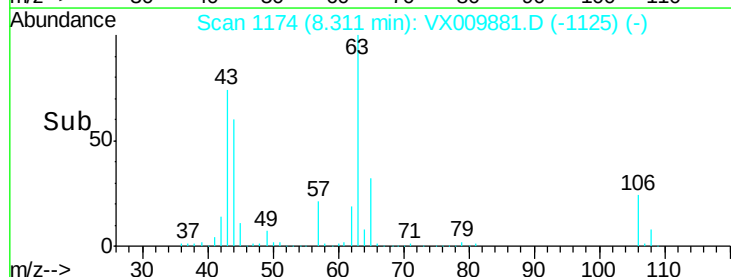
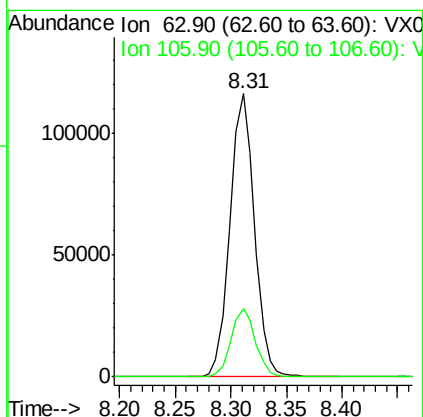
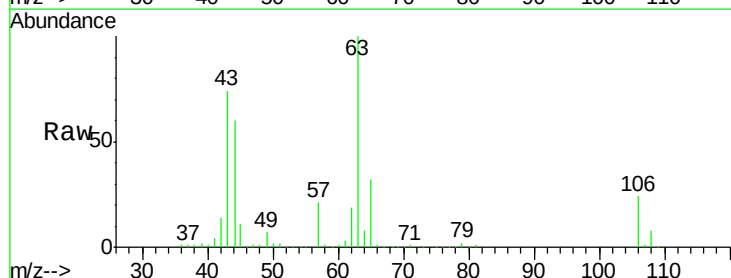
Acq: 24 May 2019 13:03

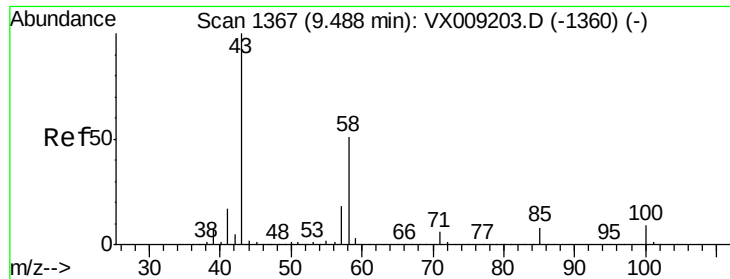
Tgt Ion: 63 Resp: 176542

Ion Ratio Lower Upper

63 100

106 24.0 19.7 29.5





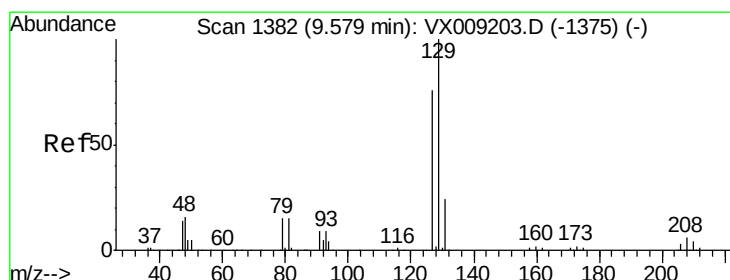
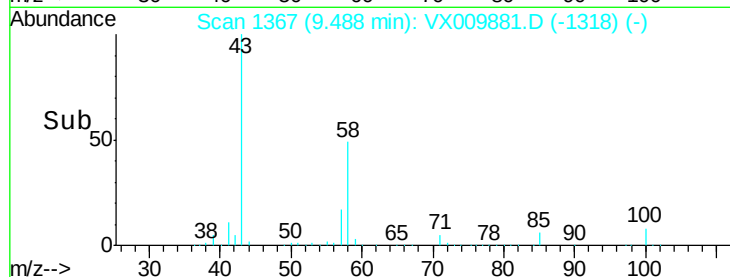
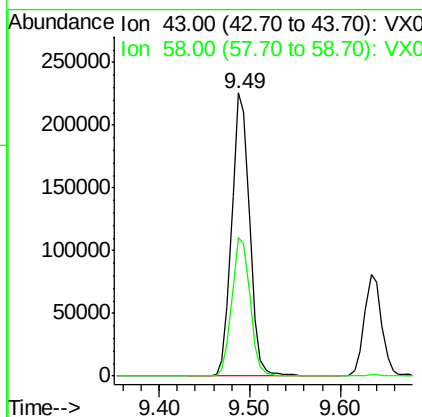
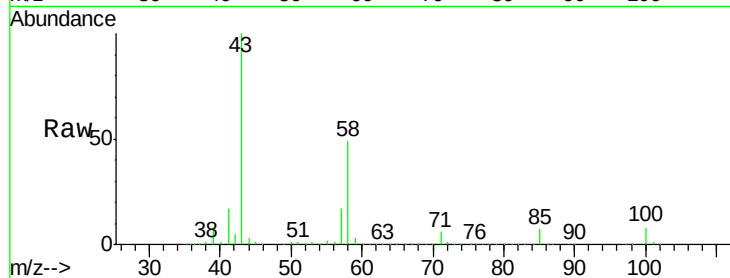
#59
2-Hexanone
Concen: 98.560 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampled :
VX0524WBS01

Tot Ion: 43 Resp: 310756
Ion Ratio Lower Upper
43 100
58 49.9 25.9 77.7

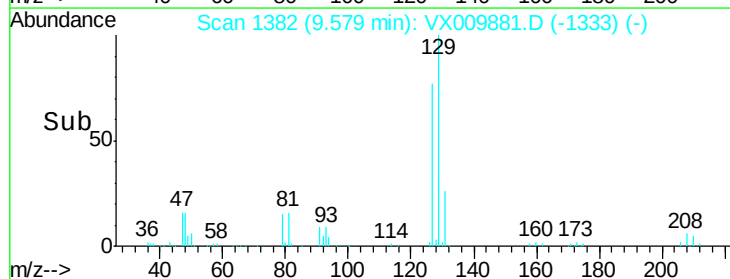
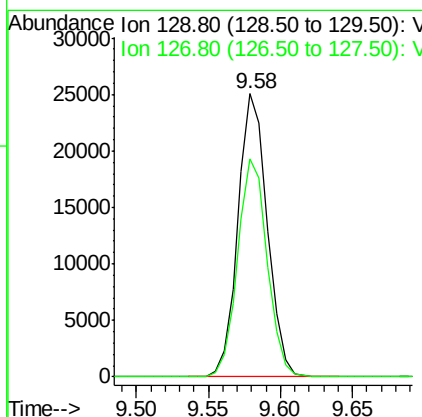
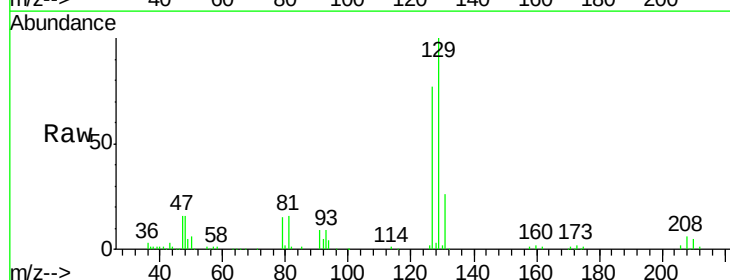
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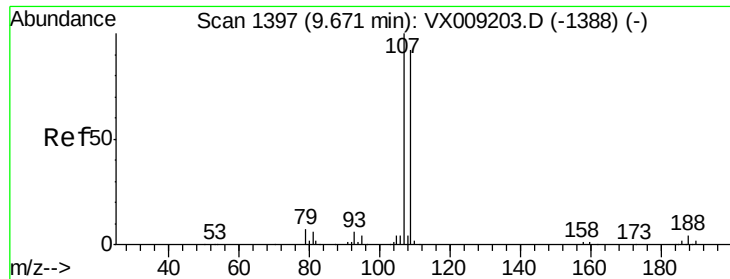
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#60
Dibromochloromethane
Concen: 17.182 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion: 129 Resp: 35495
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 17.838 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:107 Resp: 38086

Ion Ratio Lower Upper

107 100

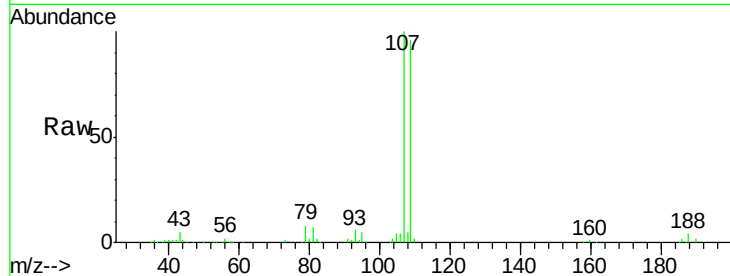
109 93.5 75.2 112.8

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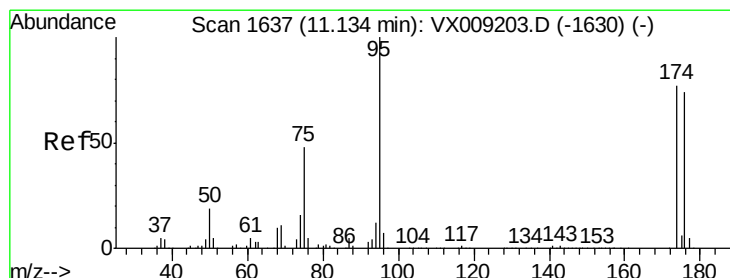
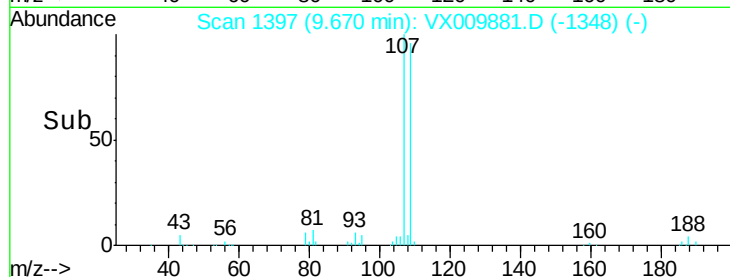


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

Time-->



#62

4-Bromofluorobenzene

Concen: 45.103 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

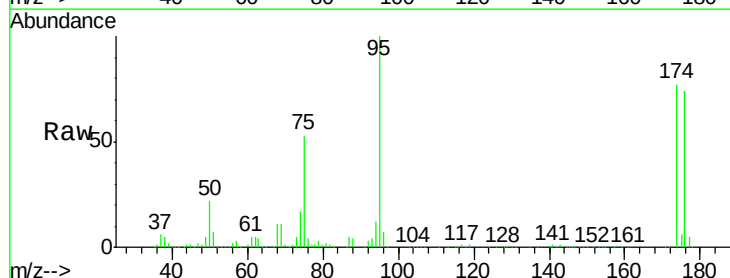
Tgt Ion: 95 Resp: 123348

Ion Ratio Lower Upper

95 100

174 80.5 0.0 161.6

176 77.7 0.0 159.2



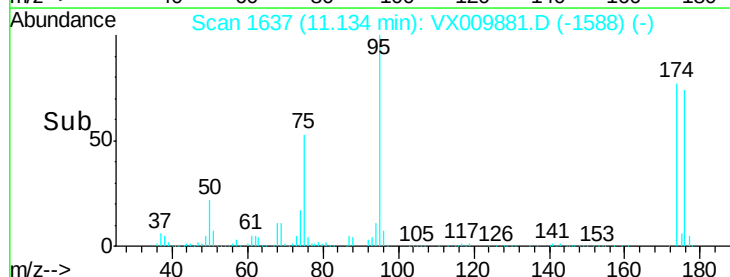
Abundance Ion 94.90 (94.60 to 95.60): VX0

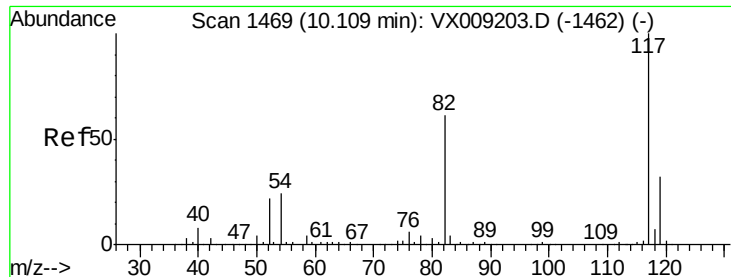
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->





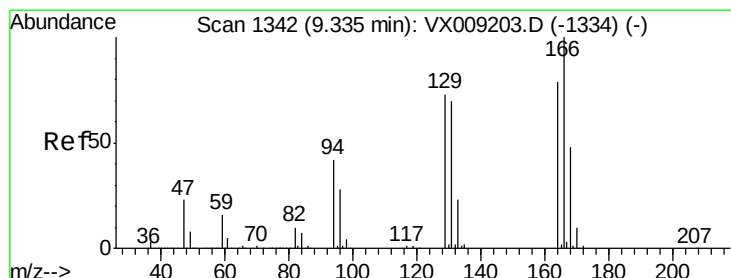
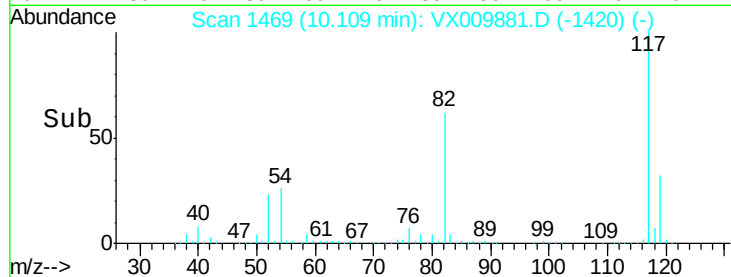
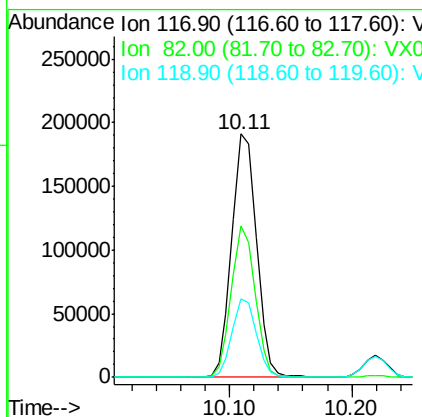
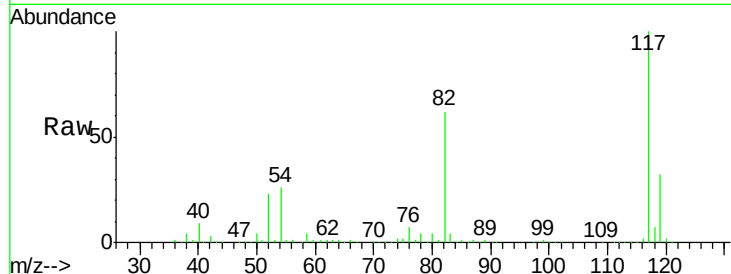
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	48.8	73.2
119	32.2	25.8	38.6

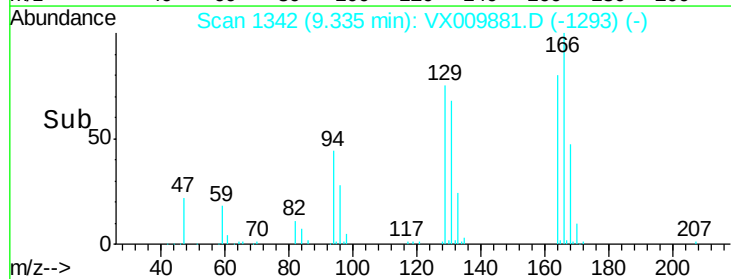
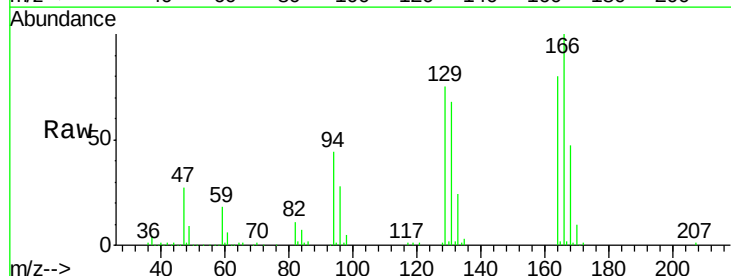
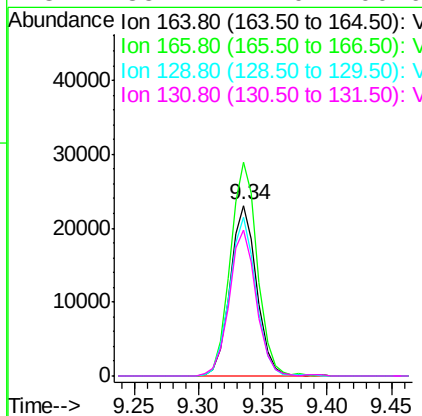
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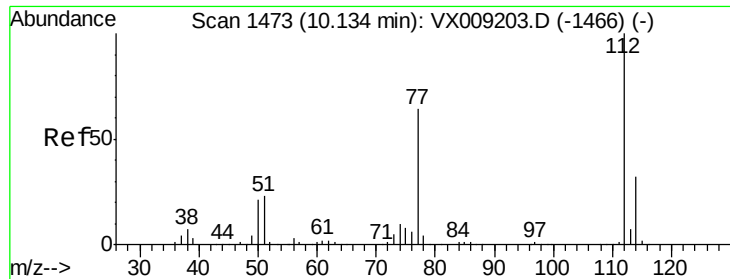
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#64
Tetrachloroethene
Concen: 18.070 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.2	151.8
129	93.4	74.3	111.5
131	85.7	71.0	106.6





#65

Chlorobenzene

Concen: 17.786 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampled :

VX0524WBS01

Tot Ion:112 Resp: 95436

Ion Ratio Lower Upper

112 100

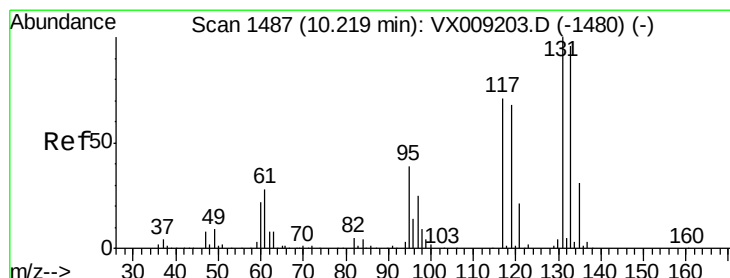
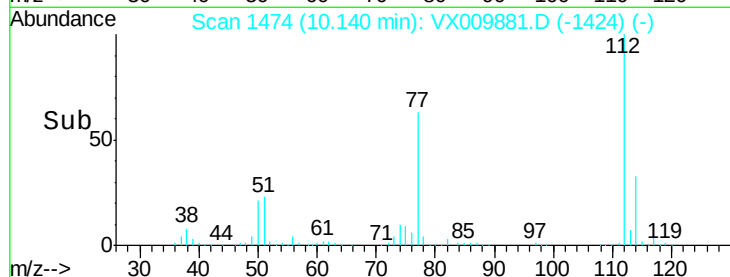
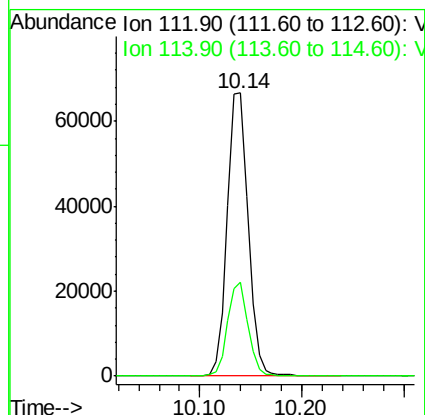
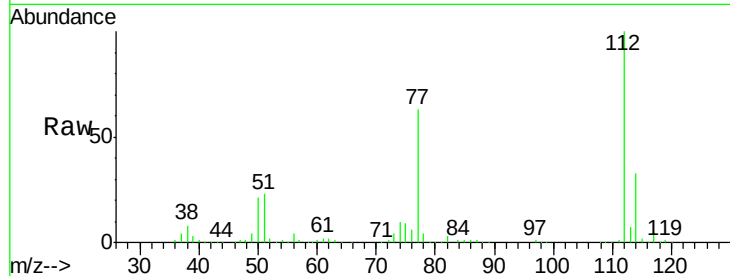
114 33.2 25.5 38.3

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#66

1,1,1,2-Tetrachloroethane

Concen: 17.191 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

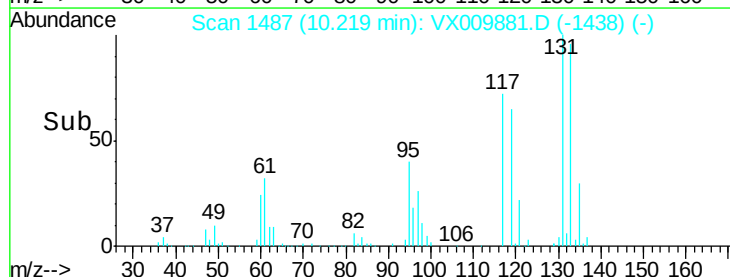
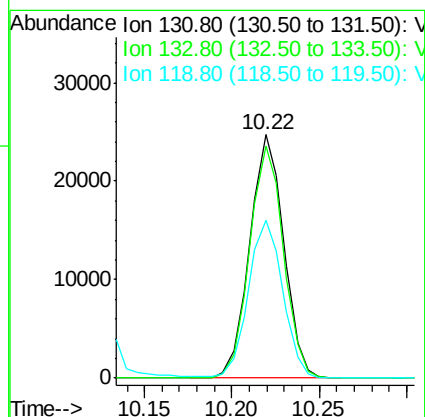
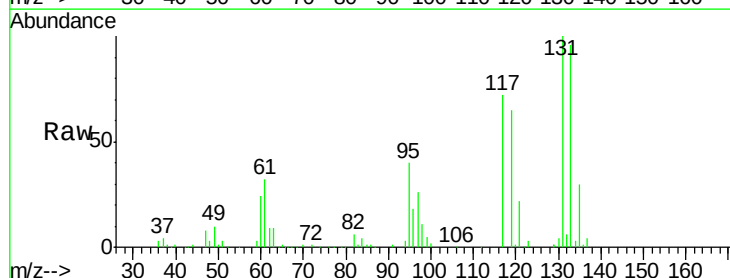
Tgt Ion:131 Resp: 33443

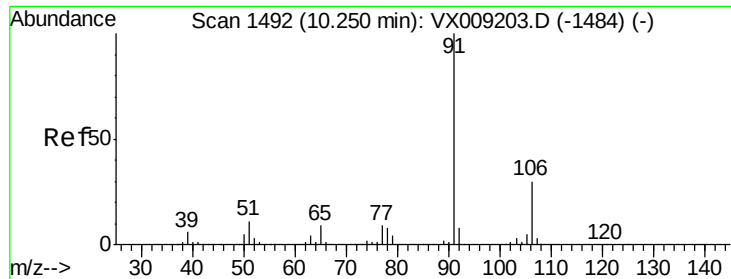
Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

119 65.9 33.5 100.4





#67

Ethyl Benzene

Concen: 17.856 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 91 Resp: 176337

Ion Ratio Lower Upper

91 100

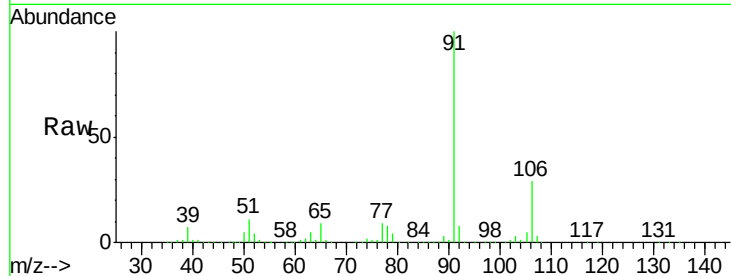
106 29.3 24.0 36.0

Manual Integrations

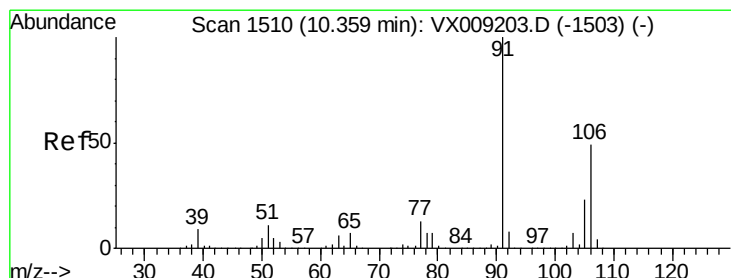
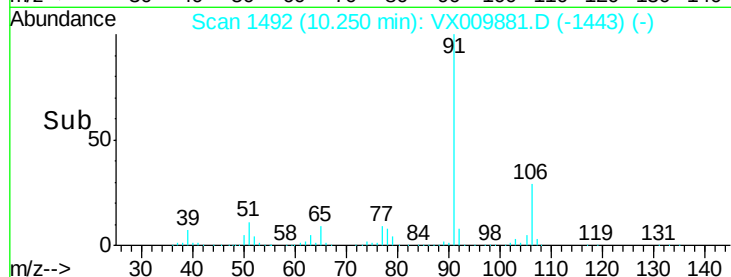
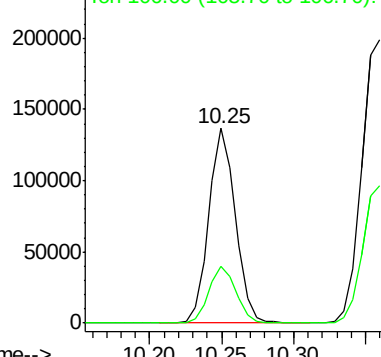
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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1484) (-)



#68

m/p-Xylenes

Concen: 35.387 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009881.D

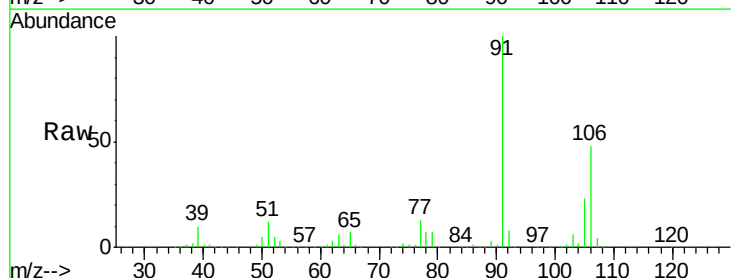
Acq: 24 May 2019 13:03

Tgt Ion: 106 Resp: 127702

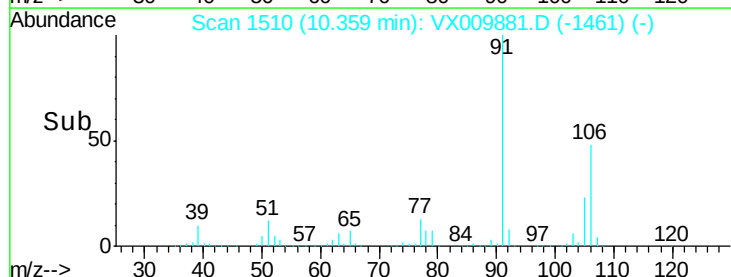
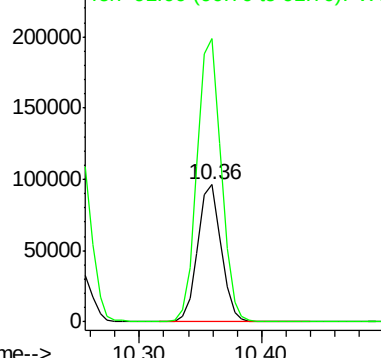
Ion Ratio Lower Upper

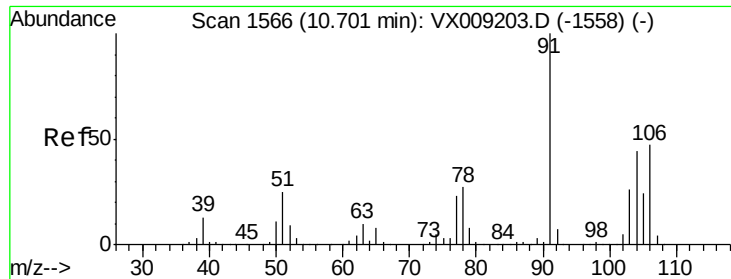
106 100

91 212.6 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009203.D (-1503) (-)





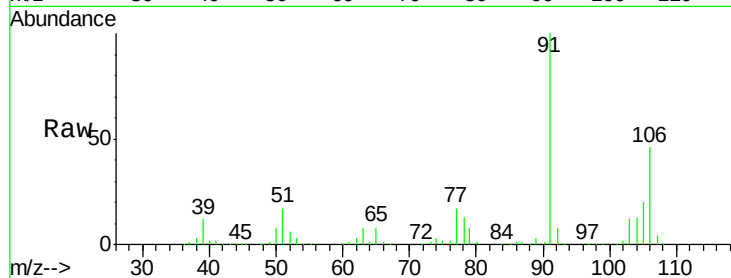
#69
o-Xylene
Concen: 17.850 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

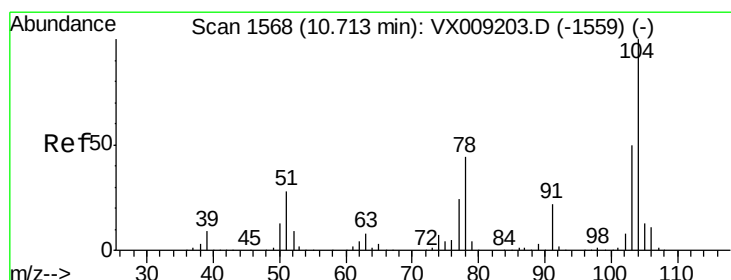
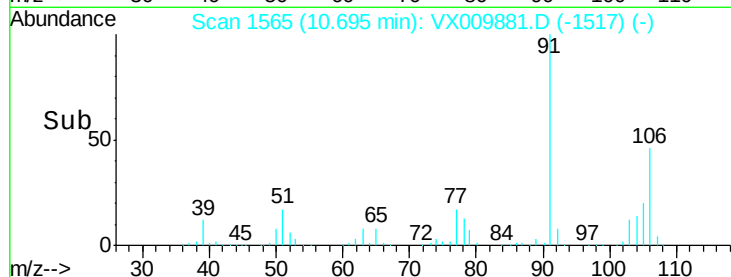
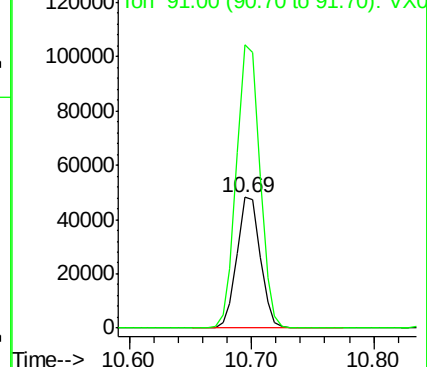
Tot Ion:106 Resp: 63557
Ion Ratio Lower Upper
106 100
91 217.7 109.5 328.4

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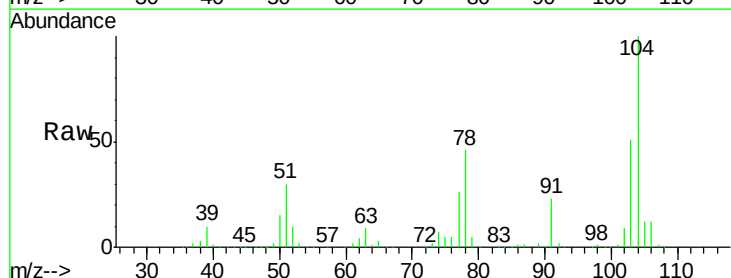


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

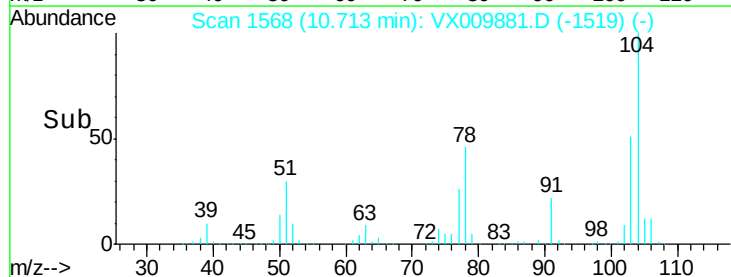
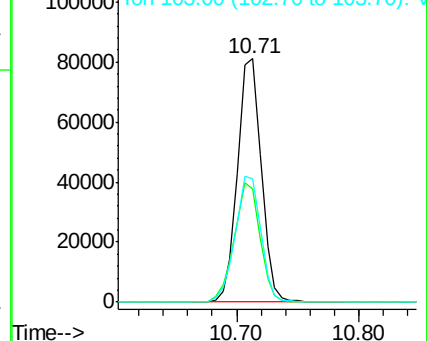


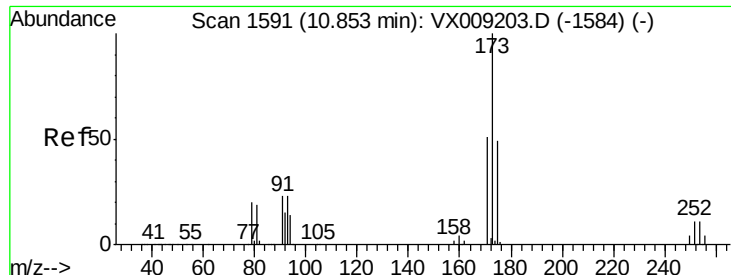
#70
Styrene
Concen: 17.572 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion:104 Resp: 108746
Ion Ratio Lower Upper
104 100
78 53.4 41.0 61.4
103 55.6 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.621 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:173 Resp: 26276

Ion Ratio Lower Upper

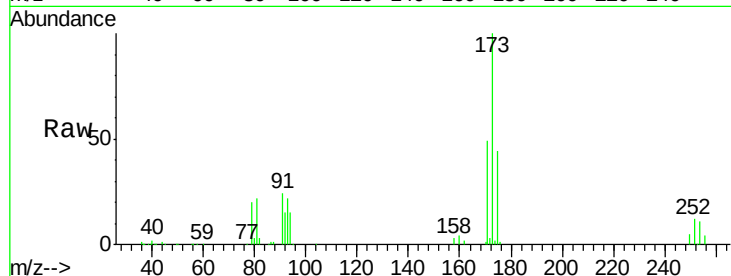
173 100

175 48.0 24.5 73.5

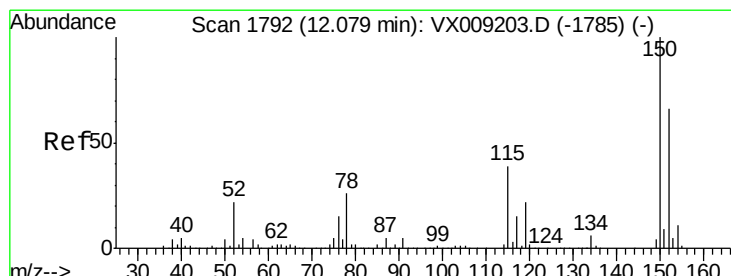
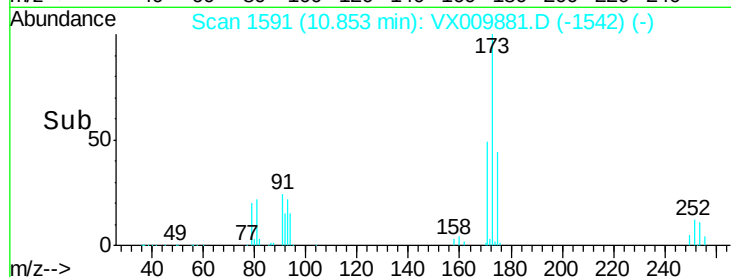
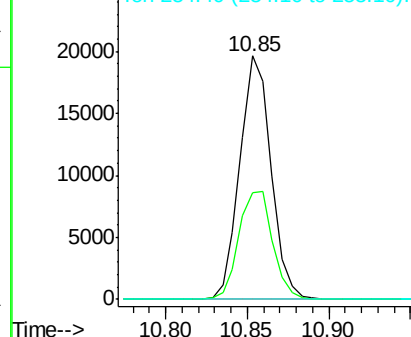
254 0.0 0.1 0.1#

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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: VX009881.D

Acq: 24 May 2019 13:03

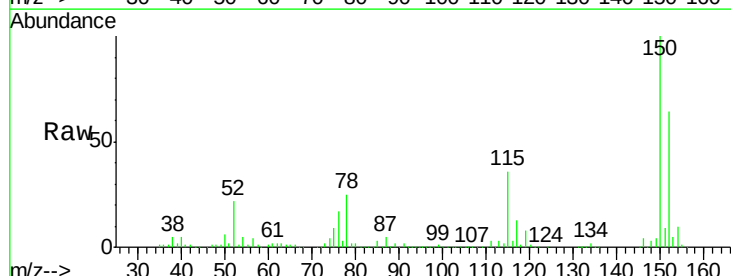
Tgt Ion:152 Resp: 130097

Ion Ratio Lower Upper

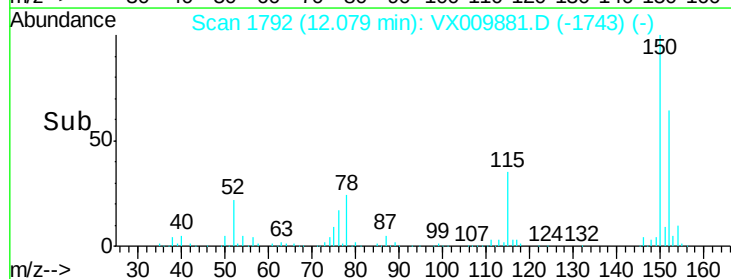
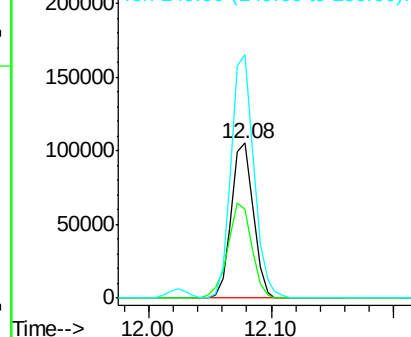
152 100

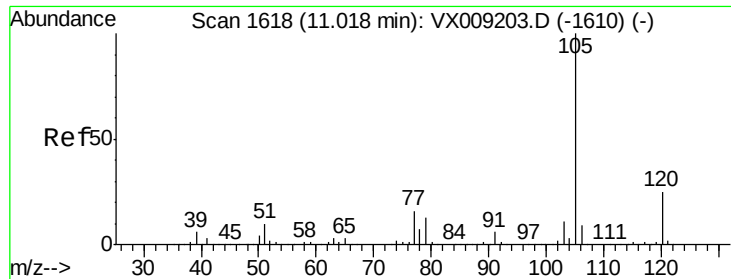
115 66.9 41.2 123.6

150 163.5 0.0 346.4



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: 17.756 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 105 Resp: 167983

Ion Ratio Lower Upper

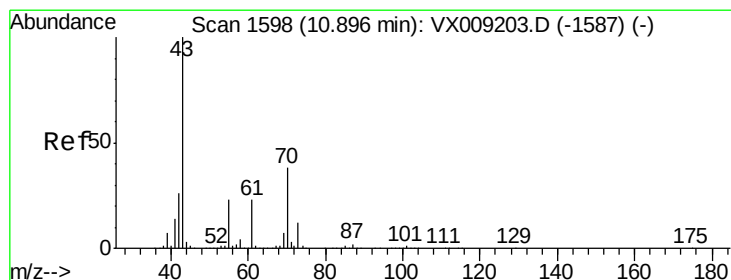
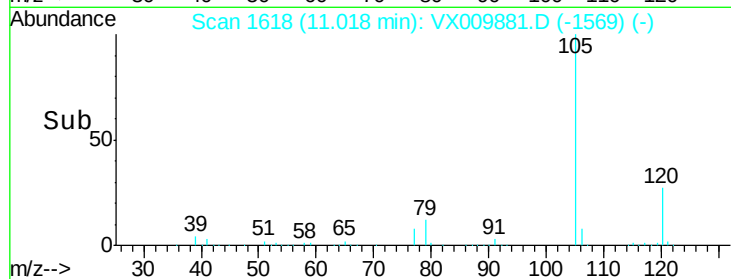
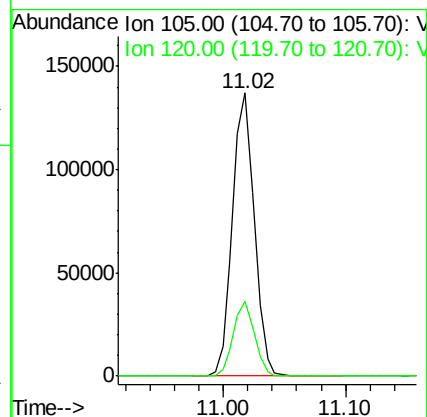
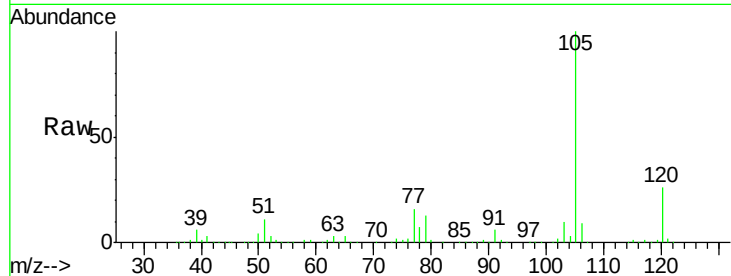
105 100

120 25.8 12.8 38.3

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#74

N-ethyl acetate

Concen: 18.800 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion: 43 Resp: 103695

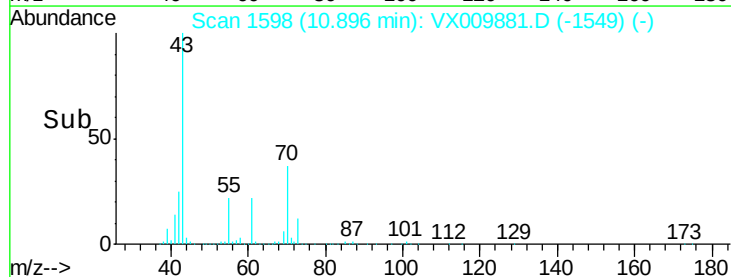
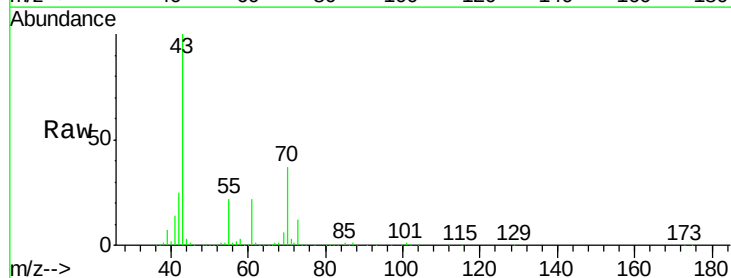
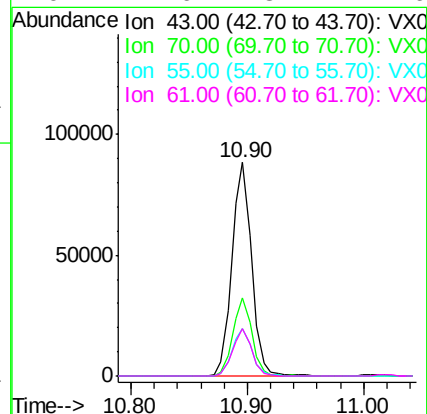
Ion Ratio Lower Upper

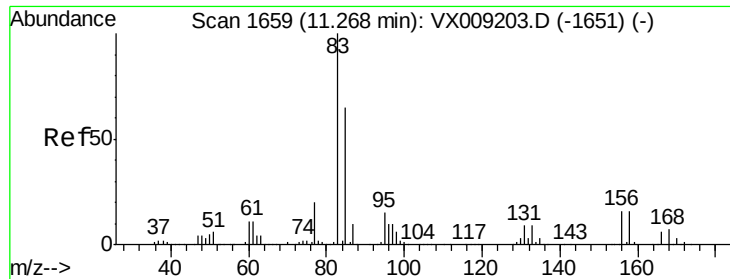
43 100

70 35.3 30.0 45.0

55 22.2 17.9 26.9

61 21.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.096 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

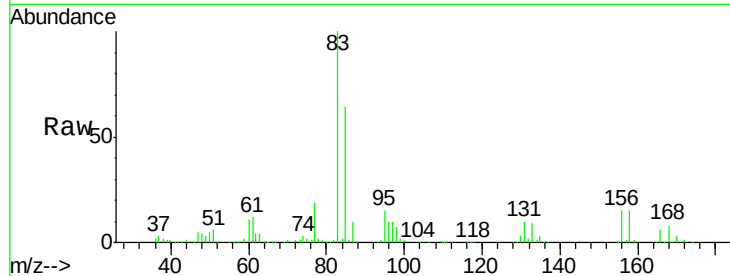
ClientSampleId :

VX0524WBS01

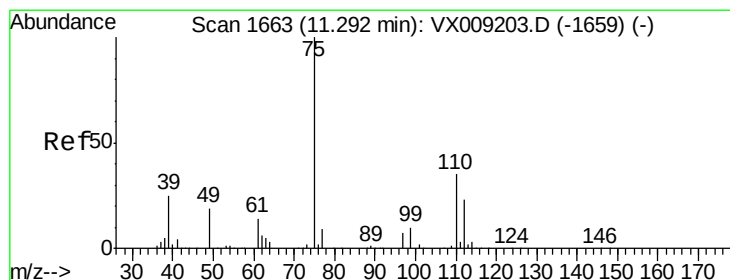
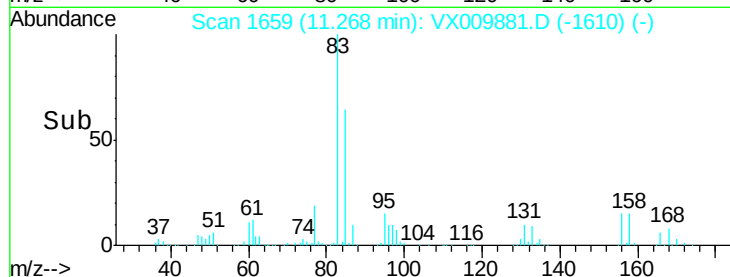
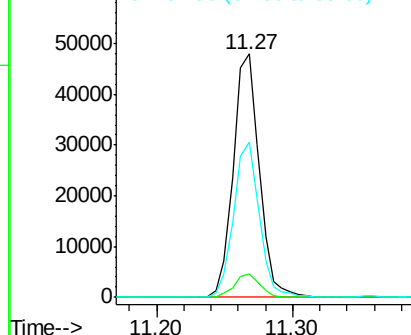
Tot Ion:	83	Resp:	63821
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.0	32.0	96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.634 ug/l m

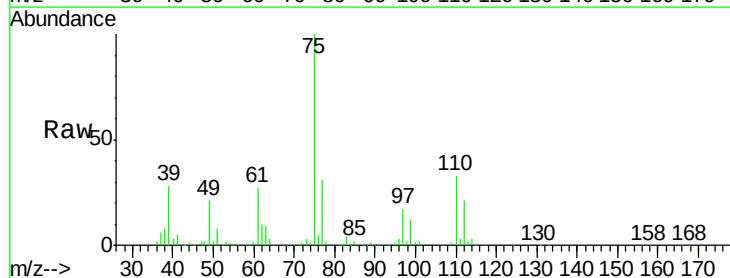
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

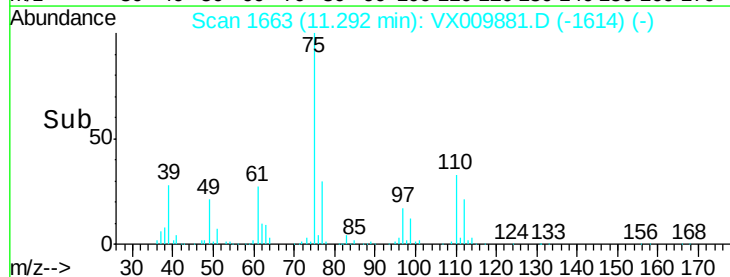
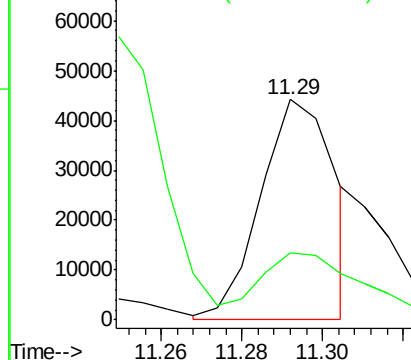
Lab File: VX009881.D

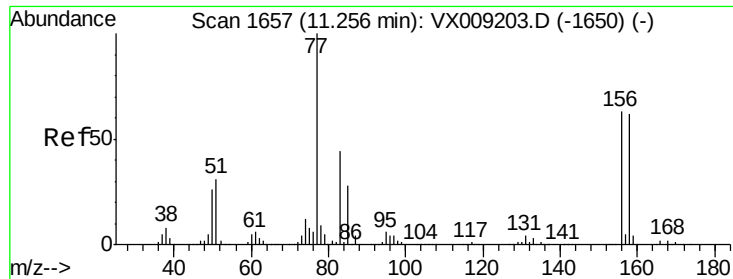
Acq: 24 May 2019 13:03

Tgt Ion:	75	Resp:	56233
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.797 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:156 Resp: 41789

Ion Ratio Lower Upper

156 100

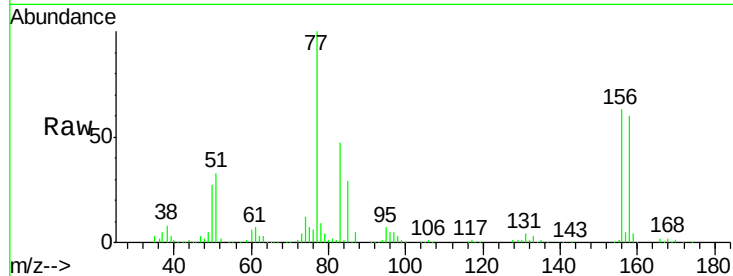
77 173.7 84.8 254.3

158 95.5 49.1 147.3

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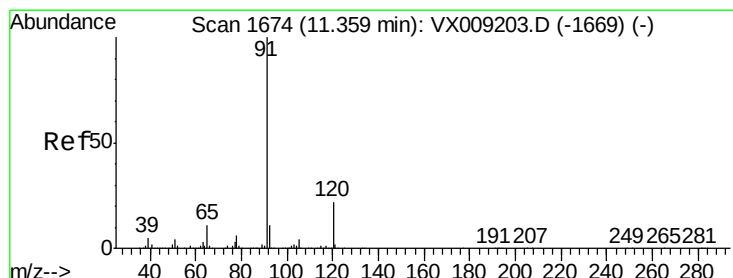
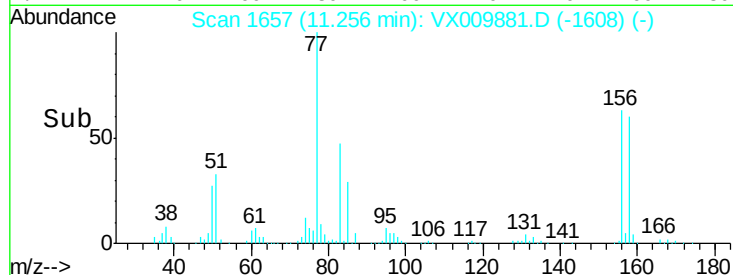
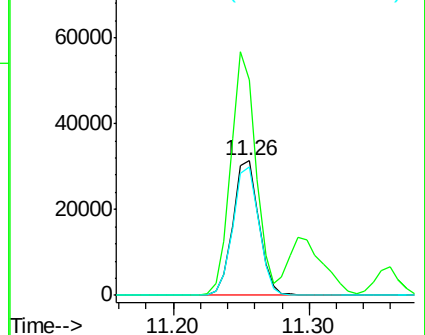
5/28/2019 9:52:09 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.006 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009881.D

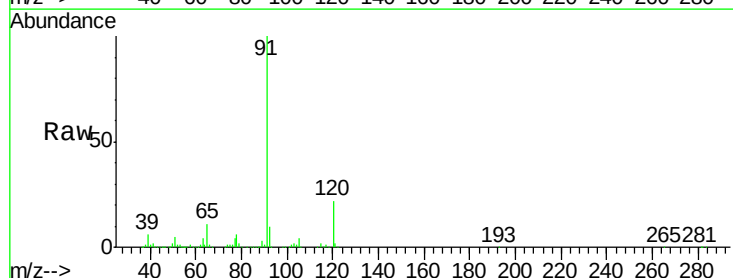
Acq: 24 May 2019 13:03

Tgt Ion: 91 Resp: 194540

Ion Ratio Lower Upper

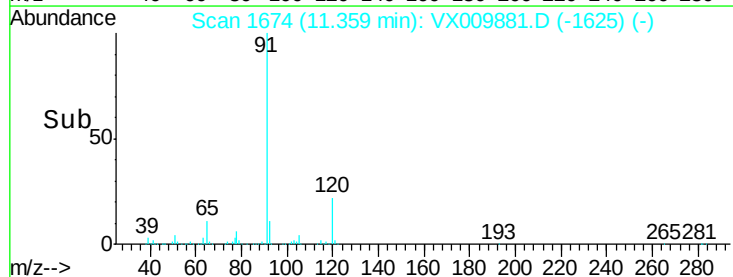
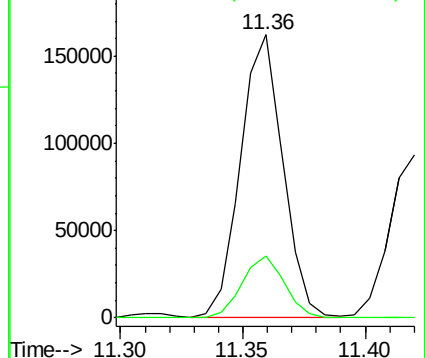
91 100

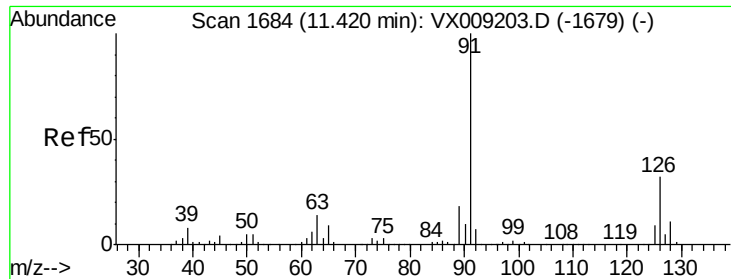
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.562 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 91 Resp: 117061

Ion Ratio Lower Upper

91 100

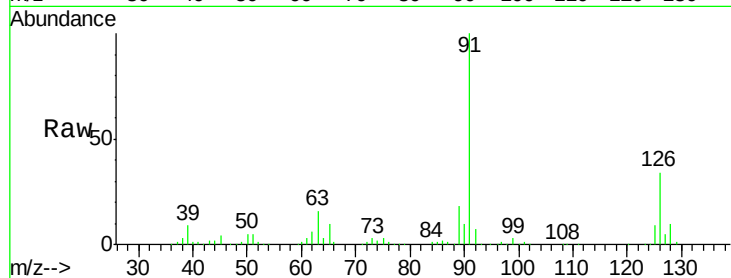
126 32.6 16.3 48.9

Manual Integrations

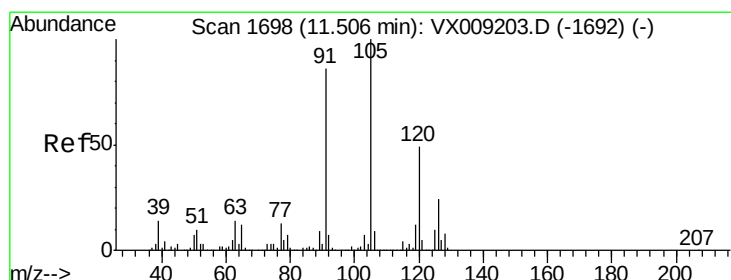
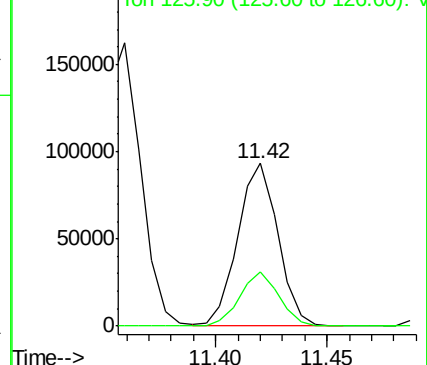
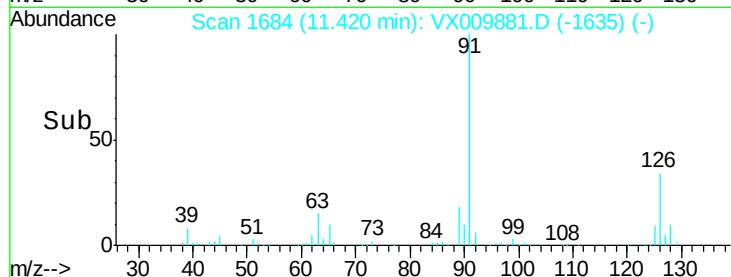
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Abundance Ion 91.00 (90.70 to 91.70): VX009881.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.998 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009881.D

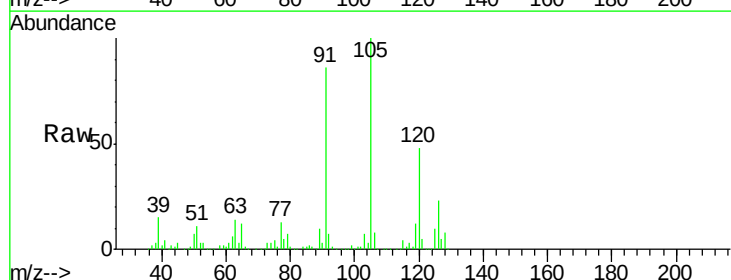
Acq: 24 May 2019 13:03

Tgt Ion: 105 Resp: 143370

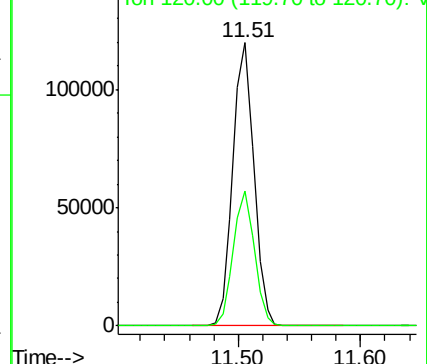
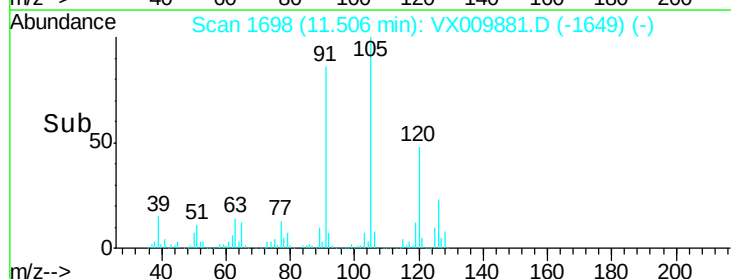
Ion Ratio Lower Upper

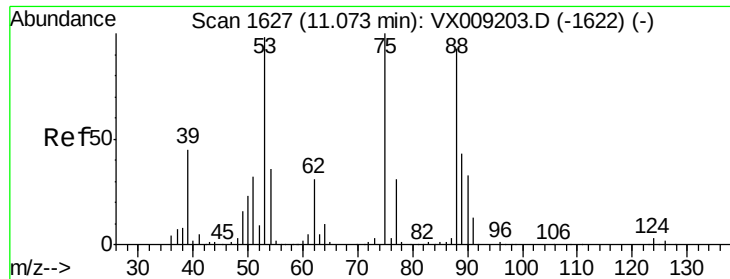
105 100

120 47.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009881.D (-1649) (-)





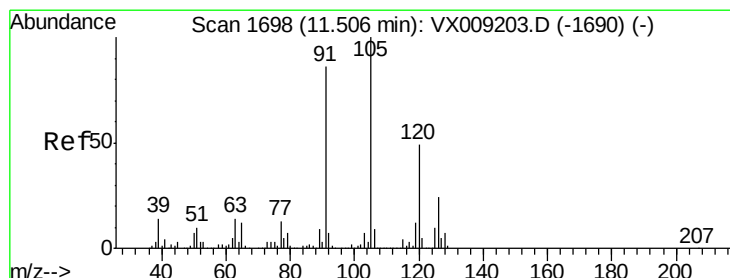
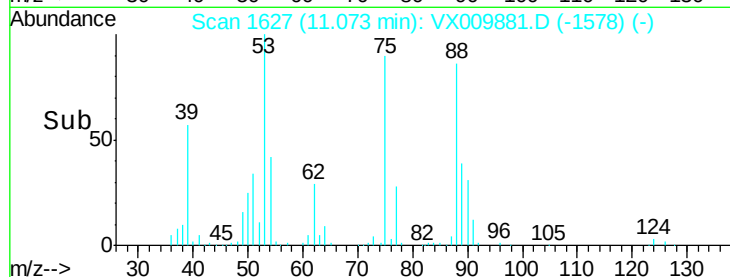
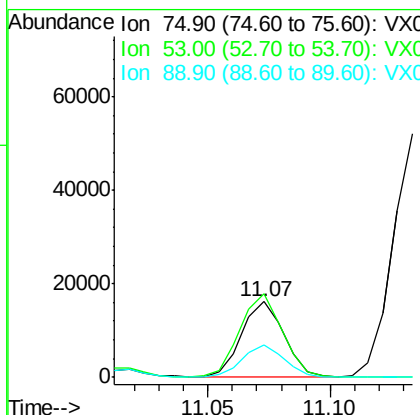
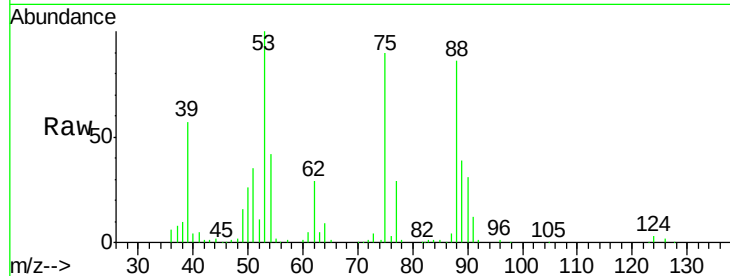
#81
trans-1,4-Dichloro-2-butene
Concen: 16.542 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.3	79.0	118.6
89	43.9	34.7	52.1

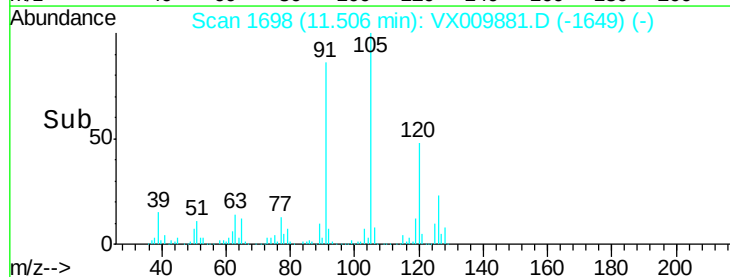
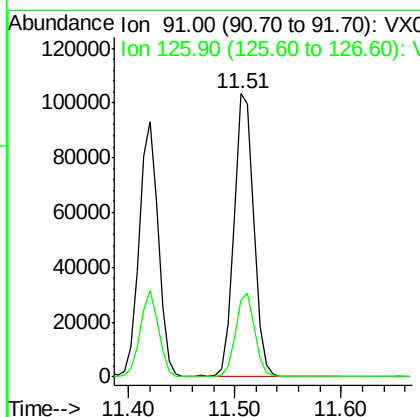
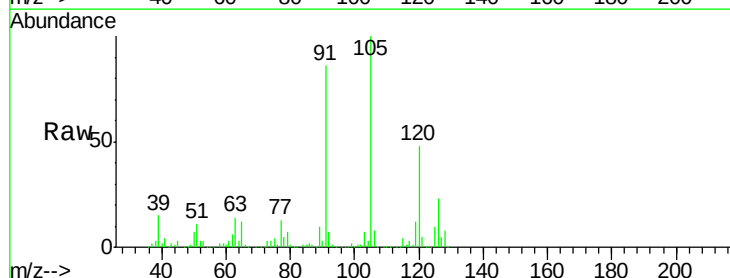
Manual Integrations
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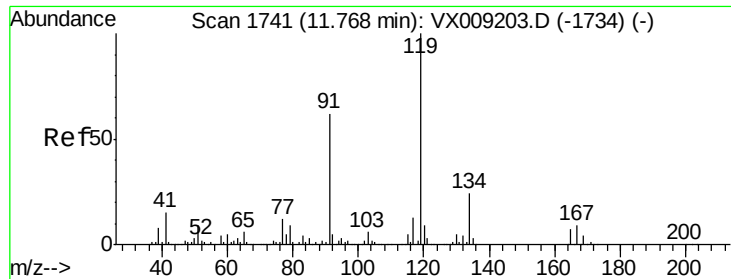
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#82
4-Chlorotoluene
Concen: 17.850 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.5	43.6





#83

tert-Butylbenzene

Concen: 17.494 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

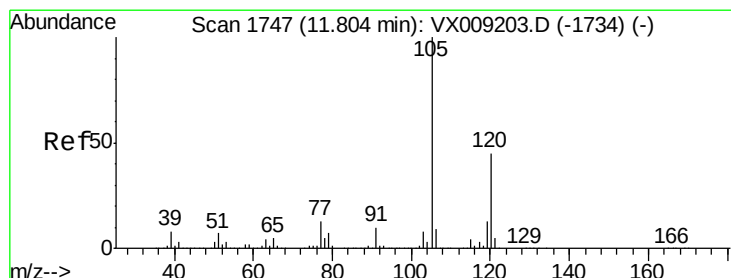
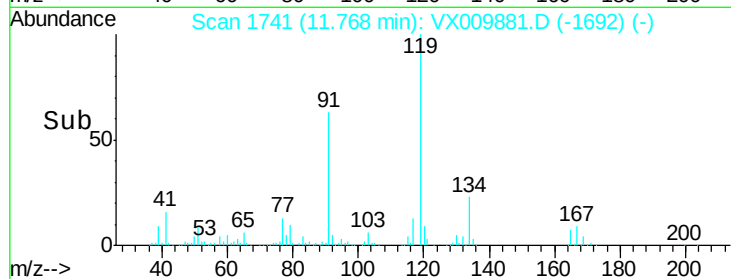
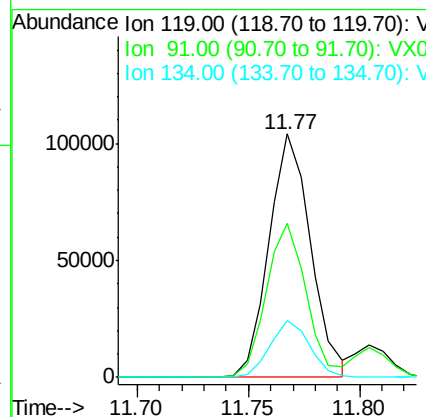
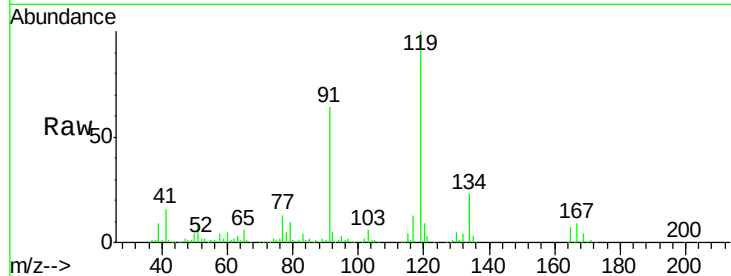
ClientSampleId :

VX0524WBS01

Tot Ion:	119	Resp:	135562
Ion Ratio	Lower	Upper	
119	100		
91	60.9	29.5	88.5
134	22.4	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 17.942 ug/l

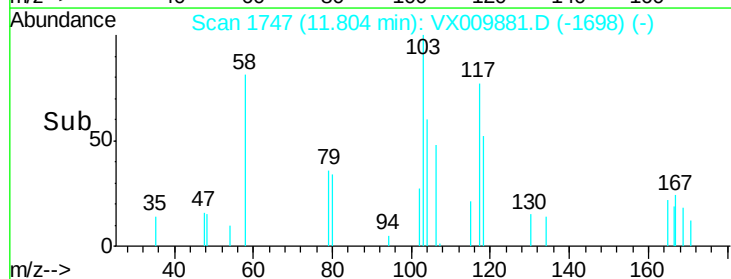
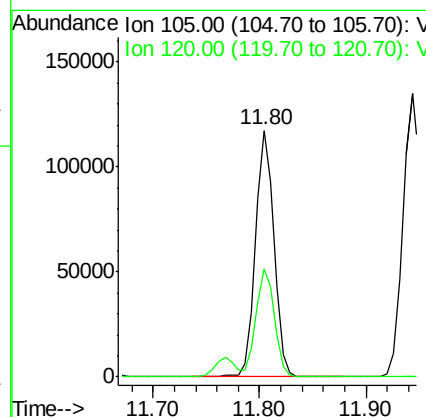
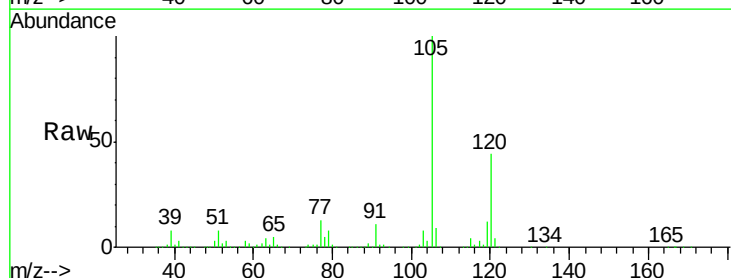
RT: 11.80 min Scan# 1747

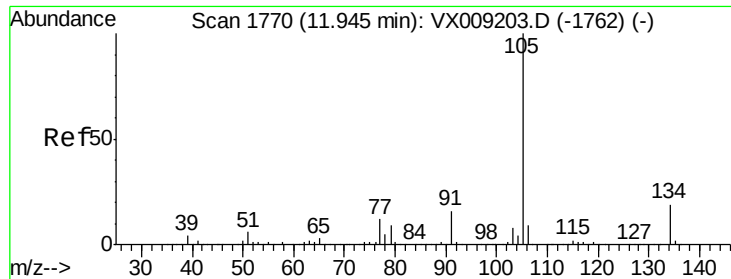
Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion:	105	Resp:	143458
Ion Ratio	Lower	Upper	
105	100		
120	43.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 17.781 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:105 Resp: 163360

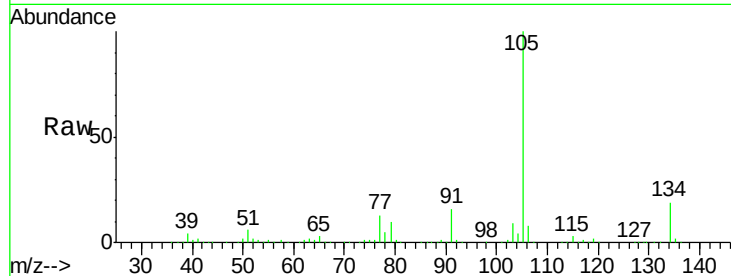
Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9

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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

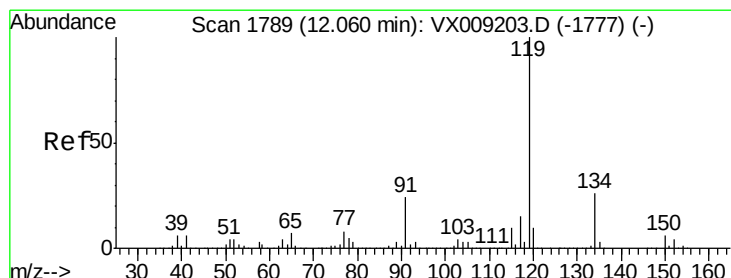
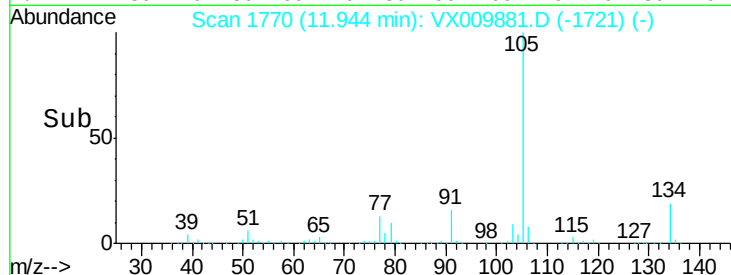
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.970 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

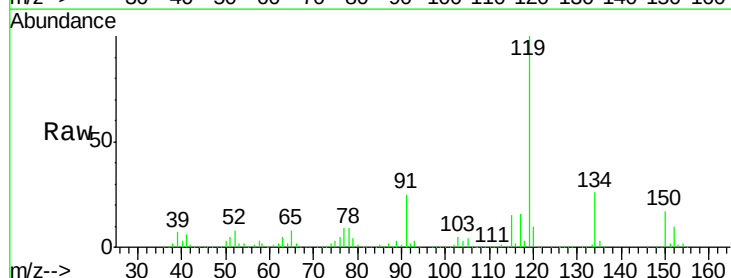
Tgt Ion:119 Resp: 148417

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.2 11.8 35.4



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

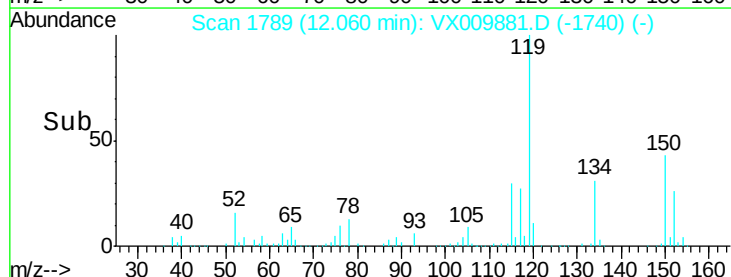
150000

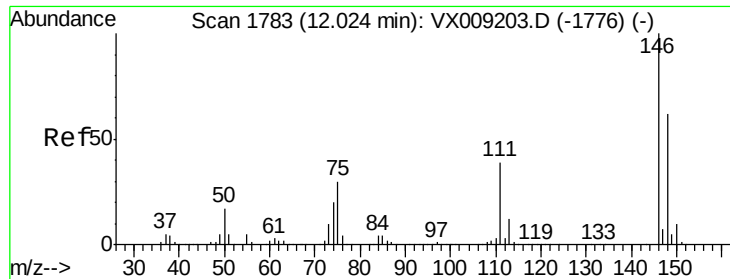
100000

50000

0

Time-->





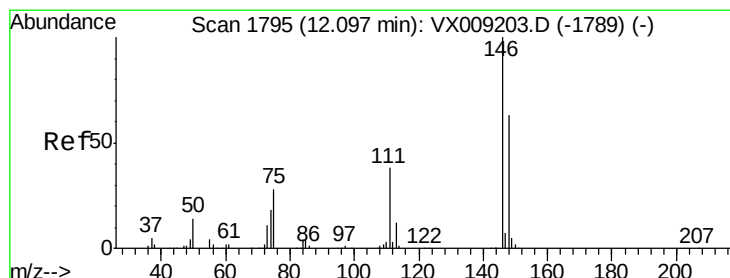
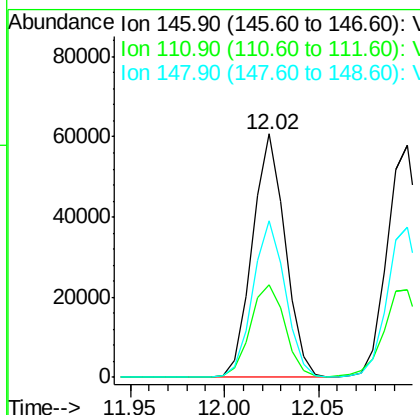
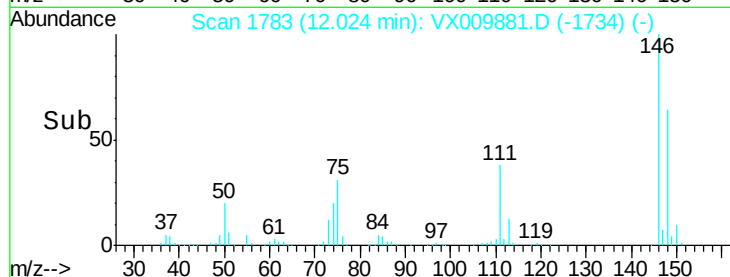
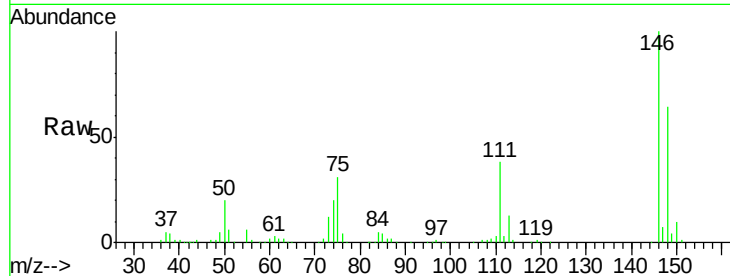
#87
 1,3-Dichlorobenzene
 Concen: 17.565 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	63.4	31.8	95.3

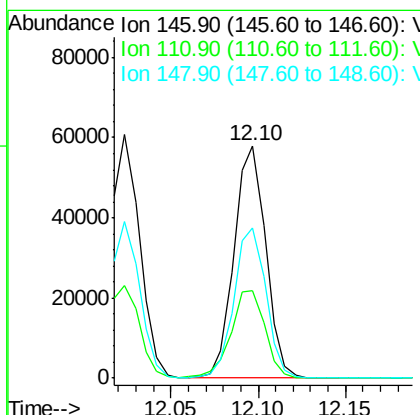
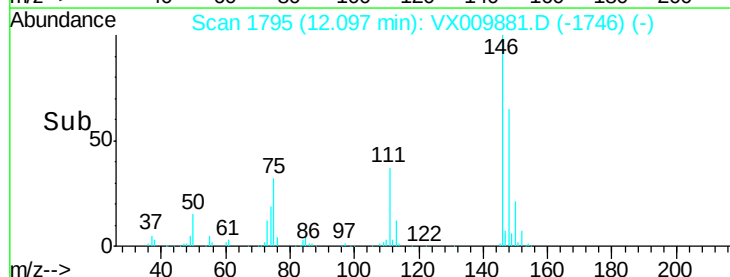
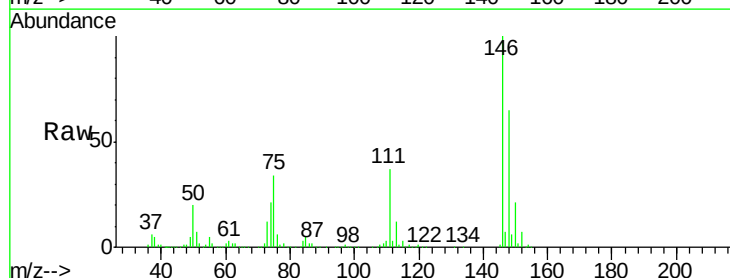
Manual Integrations
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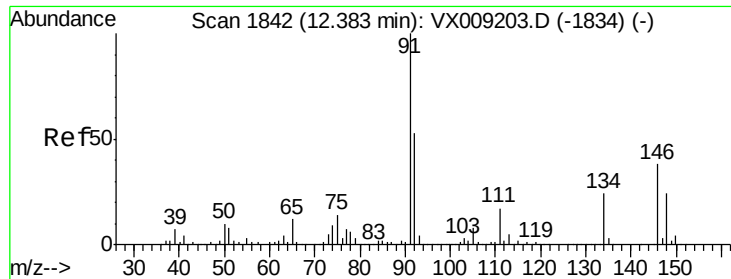
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#88
 1,4-Dichlorobenzene
 Concen: 17.321 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.8
148	65.3	31.8	95.3





#89

n-Butylbenzene

Concen: 18.112 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Instrument :

MSVOA_X

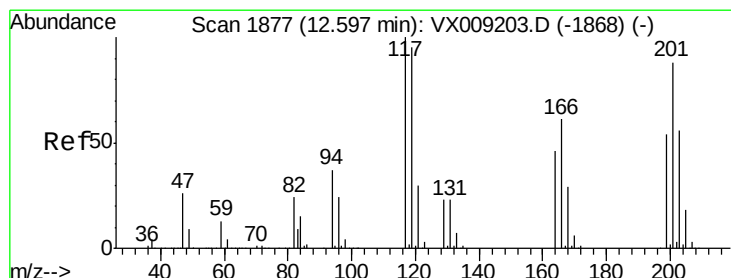
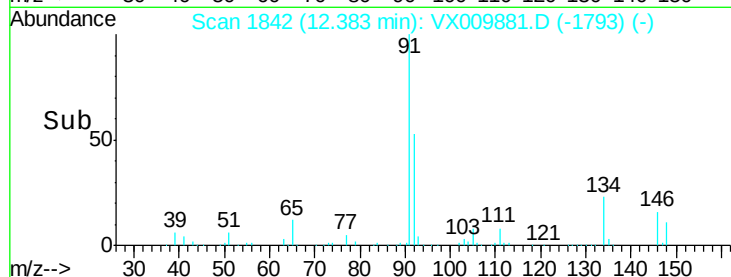
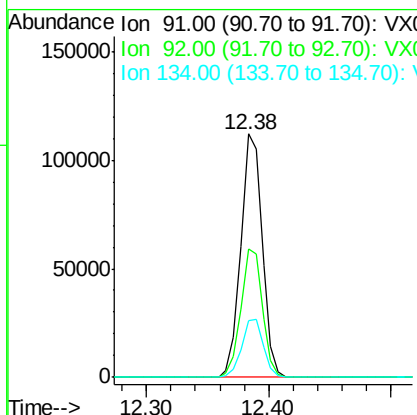
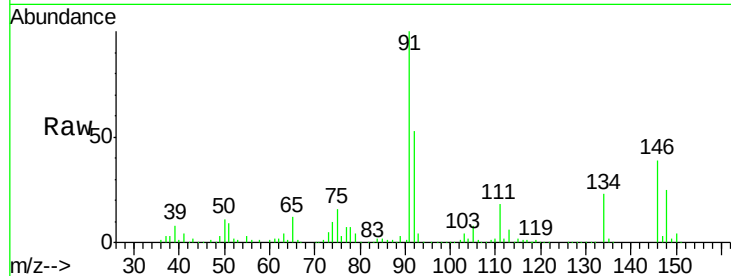
ClientSampleId :

VX0524WBS01

Tot Ion:	91	Resp:	135204
Ion Ratio		Lower	Upper
91	100		
92	53.2	26.5	79.5
134	24.1	12.4	37.2

Manual Integrations
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#90

Hexachloroethane

Concen: 16.655 ug/l

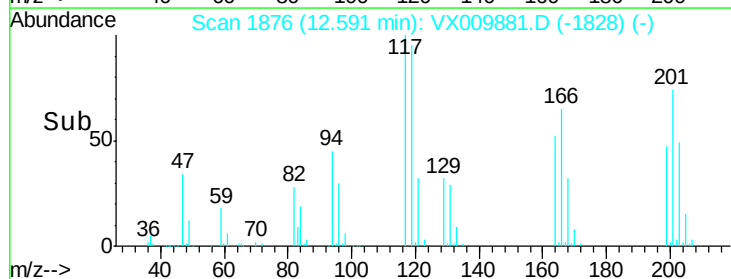
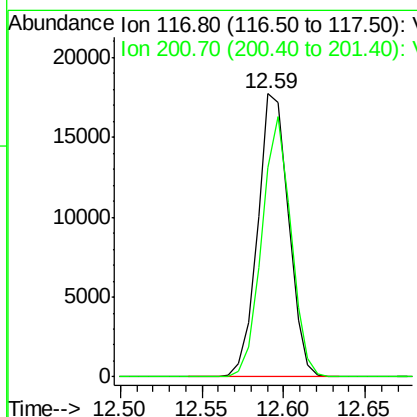
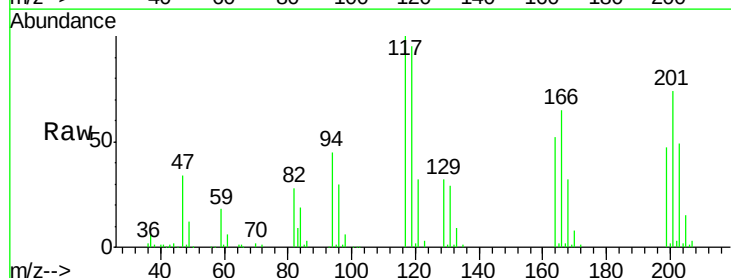
RT: 12.59 min Scan# 1876

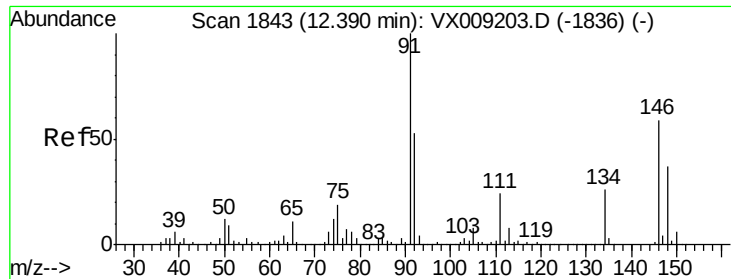
Delta R.T. -0.01 min

Lab File: VX009881.D

Acq: 24 May 2019 13:03

Tgt Ion:	117	Resp:	23435
Ion Ratio		Lower	Upper
117	100		
201	86.0	42.3	126.9





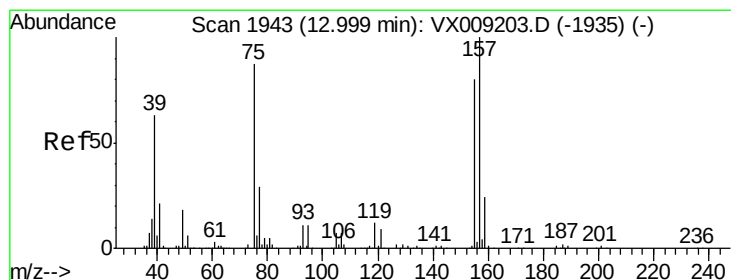
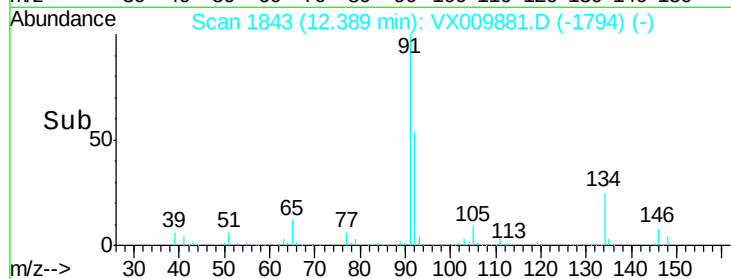
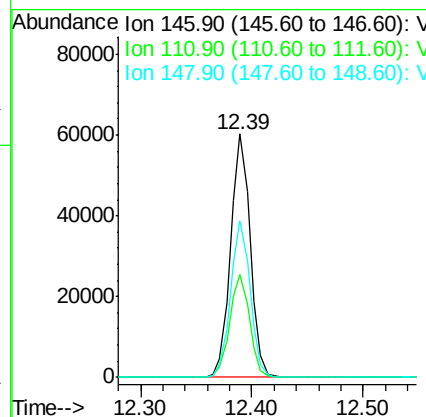
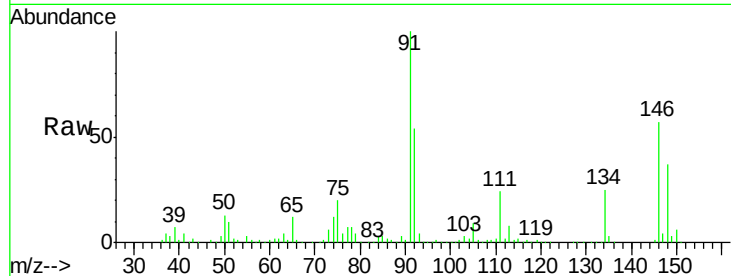
#91
 1,2-Dichlorobenzene
 Concen: 17.189 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.4
148	64.5	31.9	95.9

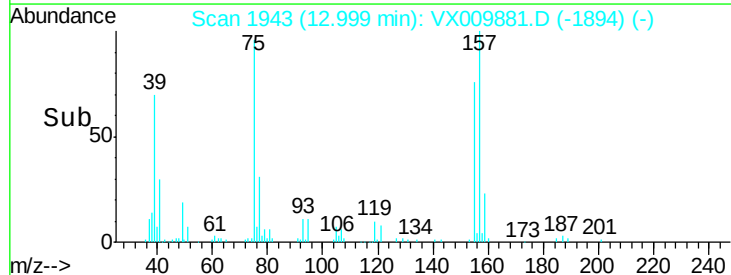
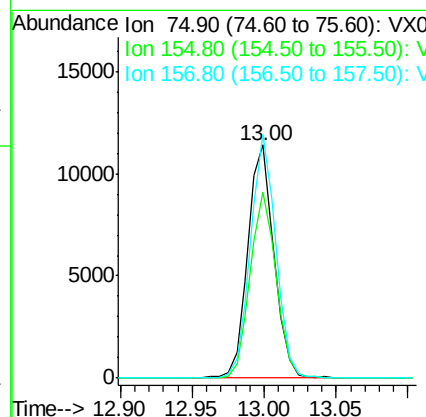
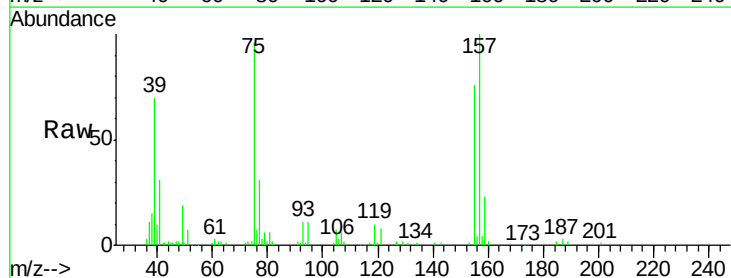
Manual Integrations
 APPROVED

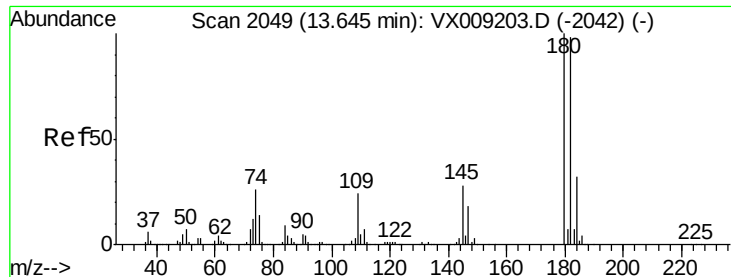
MMDadoda
 5/28/2019 9:52:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.974 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	42.0	126.0
157	101.4	53.2	159.6





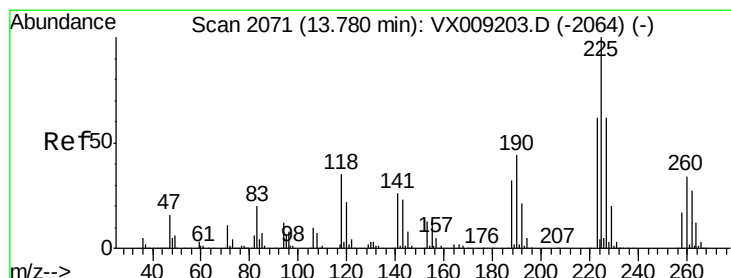
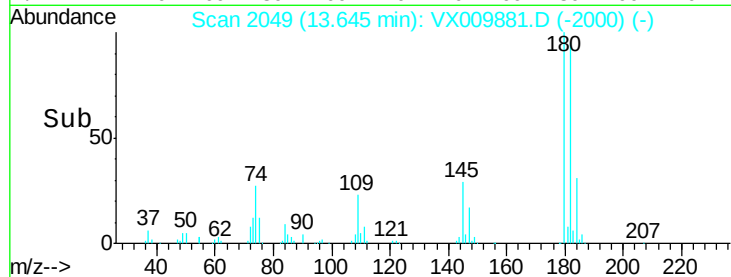
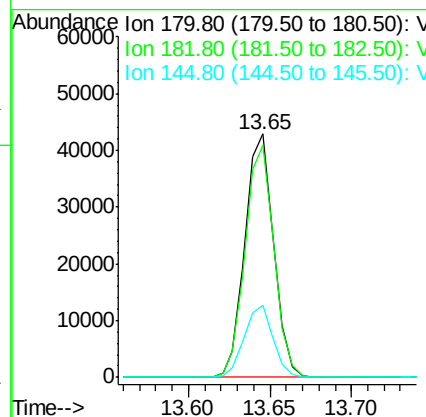
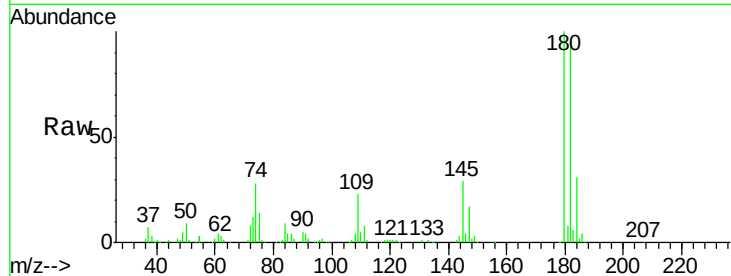
#93
 1,2,4-Trichlorobenzene
 Concen: 18.090 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	52743		
182	95.8		48.4	145.2
145	29.4		14.6	43.8

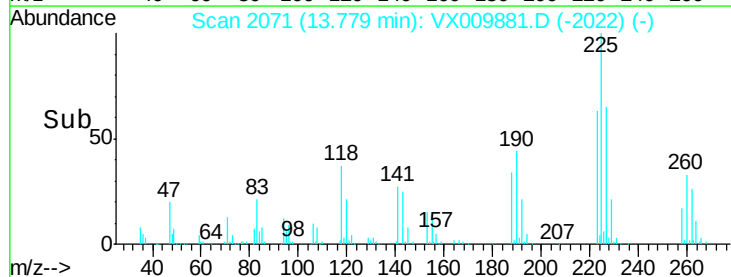
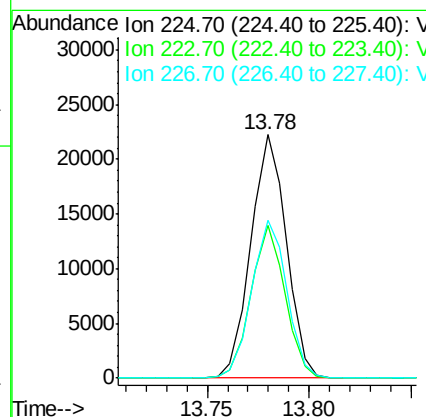
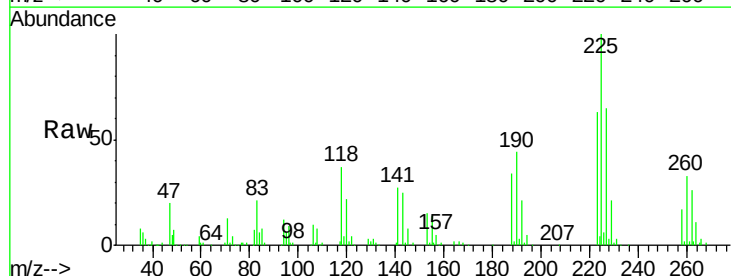
Manual Integrations
 APPROVED

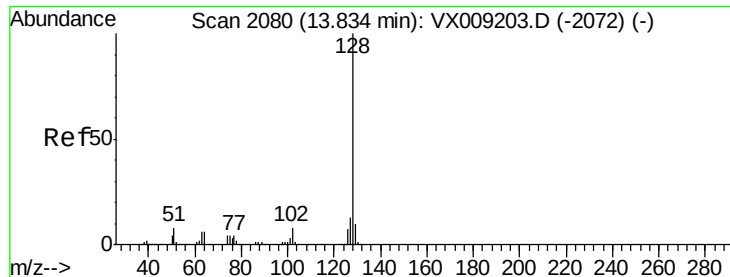
MMDadoda
 5/28/2019 9:52:09 AM



#94
 Hexachlorobutadiene
 Concen: 18.085 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009881.D
 Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26927		
223	60.3		31.3	93.8
227	64.4		31.8	95.3





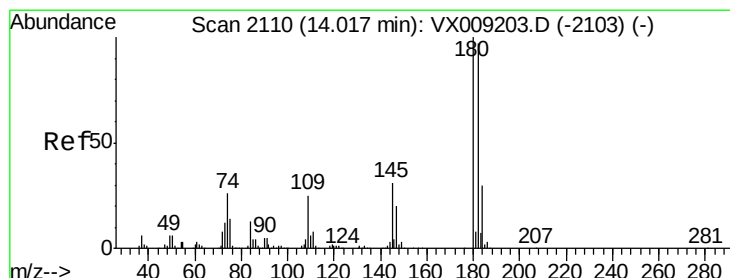
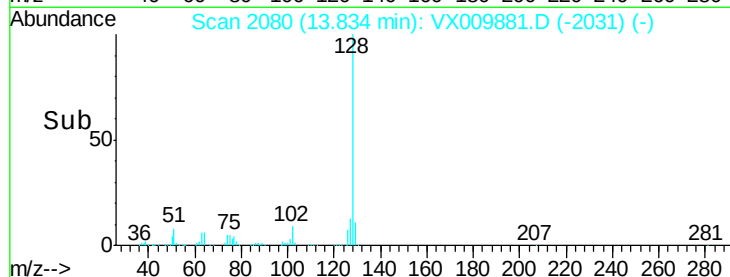
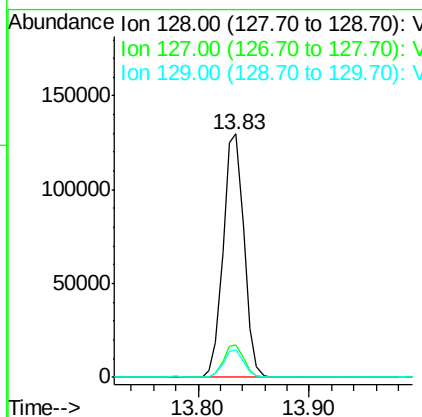
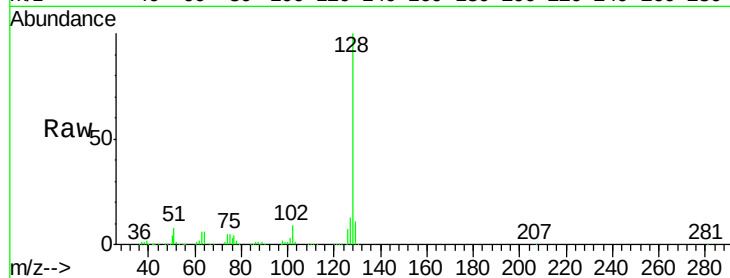
#95
Naphthalene
Concen: 17.744 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	168314		
127	13.0		10.4	15.6
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 9:52:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.768 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009881.D
Acq: 24 May 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	52513		
182	96.2		47.8	143.4
145	31.4		15.4	46.4

