

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007920.D
 Acq On : 08 Mar 2019 09:54
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:30:42 AM

Quant Time: Mar 08 12:12:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:07:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	44796	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	240202	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	218382	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89695	30.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.17%
60) 4-Bromofluorobenzene	11.13	95	103391	30.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.83%
63) Toluene-d8	8.71	98	298181	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	14373	6.336	ug/l 100
3) Chloromethane	1.33	50	18025	7.230	ug/l 95
4) Vinyl Chloride	1.41	62	17893	6.381	ug/l 99
5) Bromomethane	1.64	94	9351	3.734	ug/l 99
6) Chloroethane	1.73	64	10978	5.759	ug/l 98
7) Trichlorofluoromethane	1.93	101	23390	5.321	ug/l 95
8) Diethyl Ether	2.19	74	9643	5.492	ug/l 85
9) 1,1,2-Trichlorotrifluoroet	2.39	101	14832	5.980	ug/l 98
10) 1,1-Dichloroethene	2.38	96	13450	5.465	ug/l 97
11) Methyl Iodide	2.51	142	18831	5.324	ug/l 92
12) Methyl Acetate	2.78	43	25424	7.491	ug/l 98
13) Acrolein	2.29	56	14803	25.004	ug/l 97
14) Acrylonitrile	3.15	53	45939	29.377	ug/l 99
15) Acetone	2.45	58	17359	40.903	ug/l 99
16) Carbon Disulfide	2.57	76	40923	6.270	ug/l 99
17) Allyl chloride	2.73	41	27139	6.436	ug/l 98
18) Methylene Chloride	2.86	84	16822	6.078	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	14520	5.516	ug/l 99
20) Diisopropyl ether	3.87	45	51201	6.425	ug/l 96
21) 1,1-Dichloroethane	3.70	63	28291	6.333	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	16665	5.689	ug/l 90
23) tert-Butyl Alcohol	3.06	59	18249	27.764	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	47141	5.520	ug/l 96
25) Chloroform	5.21	83	26888	5.699	ug/l 92
26) Cyclohexane	5.57	56	24888	6.644	ug/l # 92
29) 1,1-Dichloropropene	5.80	75	19784	5.905	ug/l 97
30) 2-Butanone	4.70	43	67797	34.192	ug/l 97
31) 2,2-Dichloropropane	4.58	77	17686	6.497	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	20985	5.240	ug/l 97
33) Carbon Tetrachloride	5.78	117	18304	5.170	ug/l 94
34) Benzene	6.14	78	62378	5.906	ug/l 97
35) Methacrylonitrile	5.06	41	13389	6.494	ug/l 91
36) 1,2-Dichloroethane	6.20	62	21059	5.859	ug/l 98
37) Trichloroethene	7.21	130	16965	5.586	ug/l 100
38) Methylcyclohexane	7.46	83	24797	6.393	ug/l 93
39) 1,2-Dichloropropane	7.51	63	15991	6.087	ug/l 98
40) Dibromomethane	7.66	93	10327	5.443	ug/l 93

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDIC005

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	18388	5.461	ug/l	99
42) Vinyl Acetate	3.82	43	205270	29.576	ug/l	96
43) Ethyl Acetate	4.85	43	24150m	6.360	ug/l	
44) Isopropyl Acetate	6.46	43	33991	5.798	ug/l	98
45) 1,4-Dioxane	7.75	88	7227	104.449	ug/l #	85
46) Methyl methacrylate	7.77	41	18132	6.108	ug/l	88
47) n-amyl Acetate	10.90	43	29121	5.635	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	17265	4.967	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	20948	5.412	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	16369	5.917	ug/l	96
51) Ethyl methacrylate	9.18	69	22135	5.519	ug/l	93
52) 1,3-Dichloropropane	9.37	76	26088	5.846	ug/l	100
53) Dibromochloromethane	9.58	129	14584	5.068	ug/l	99
54) 1,2-Dibromoethane	9.67	107	16002	5.282	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	55281	27.109	ug/l	99
56) Bromoform	10.85	173	11307	5.209	ug/l #	97
58) 4-Methyl-2-Pentanone	8.65	43	111678	28.431	ug/l	99
59) 2-Hexanone	9.49	43	89407	29.966	ug/l	97
61) Tetrachloroethene	9.34	164	17749	5.725	ug/l	96
62) Toluene	8.78	91	66283	5.573	ug/l	99
64) Chlorobenzene	10.13	112	42562	5.507	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	14253	5.091	ug/l	98
66) Ethyl Benzene	10.25	91	69740	5.526	ug/l	99
67) m/p-Xylenes	10.36	106	53116	10.730	ug/l	95
68) o-Xylene	10.69	106	25823	5.349	ug/l	96
69) Styrene	10.71	104	41513	5.328	ug/l	98
70) Isopropylbenzene	11.02	105	70283	5.518	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	23777	5.647	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	21977m	5.709	ug/l	
73) Bromobenzene	11.26	156	18926	5.442	ug/l	93
74) n-propylbenzene	11.36	91	78635	5.560	ug/l	98
75) 2-Chlorotoluene	11.42	91	48742	5.764	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	57895	5.568	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	4998	4.498	ug/l	93
78) 4-Chlorotoluene	11.51	91	52614	5.451	ug/l	97
79) tert-butylbenzene	12.06	119	60504	5.480	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	58317	5.525	ug/l	98
81) sec-Butylbenzene	11.94	105	69741	5.617	ug/l	99
82) p-Isopropyltoluene	12.06	119	60504	5.480	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	33751	5.521	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	33663	5.518	ug/l	98
85) n-Butylbenzene	12.38	91	49873	5.444	ug/l	99
86) Hexachloroethane	12.60	117	9175	5.005	ug/l	80
87) 1,2-Dichlorobenzene	12.39	146	33556	5.469	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	4173	4.749	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	22207	5.510	ug/l	99
90) Hexachlorobutadiene	13.78	225	13015	6.912	ug/l	97
91) Naphthalene	13.83	128	59747	4.649	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	22182	5.415	ug/l	99

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VSTDICC005

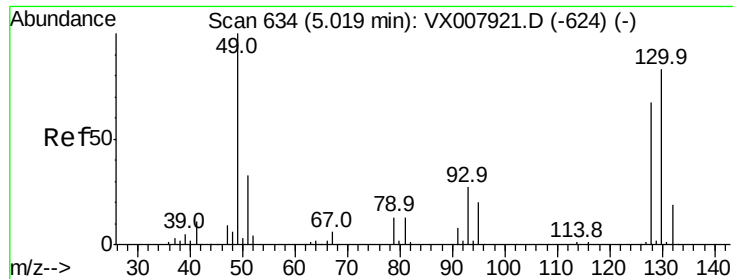
Manual Integrations
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QLast Update : Fri Mar 08 11:07:55 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 44796

Ion Ratio Lower Upper

128 100

49 157.8 0.0 350.8

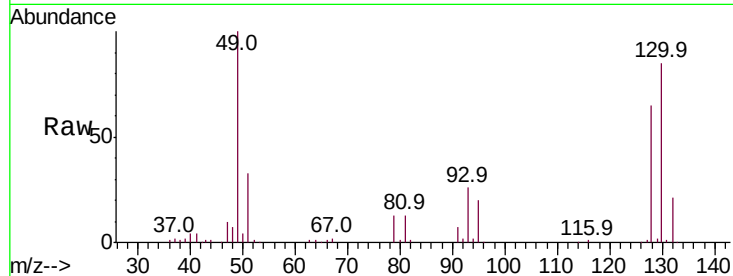
130 128.8 0.0 325.8

Manual Integrations

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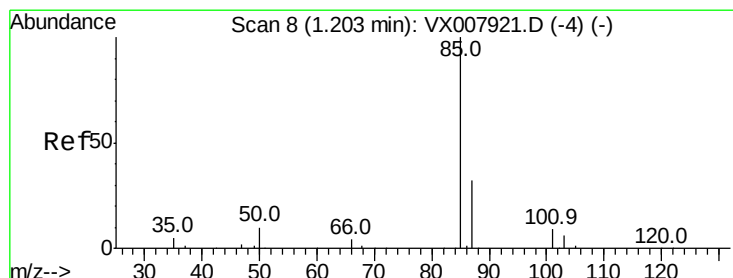
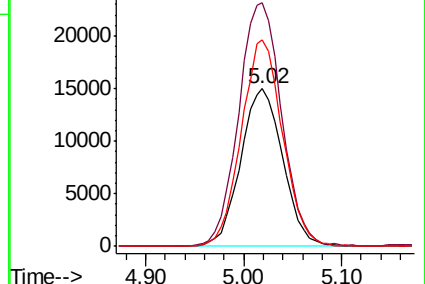
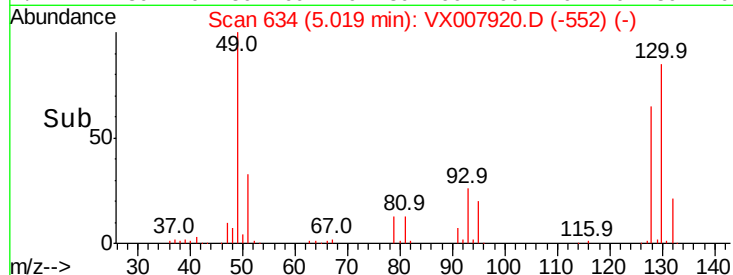
3/11/2019 9:30:42 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.336 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007920.D

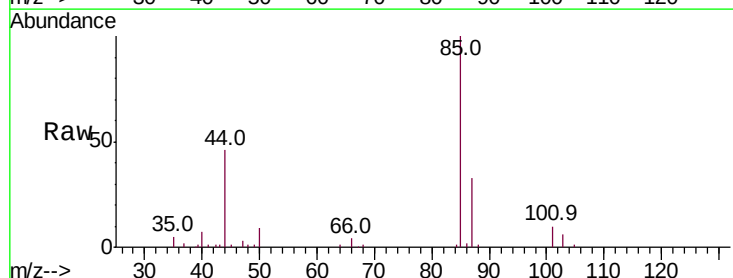
Acq: 08 Mar 2019 09:54

Tgt Ion: 85 Resp: 14373

Ion Ratio Lower Upper

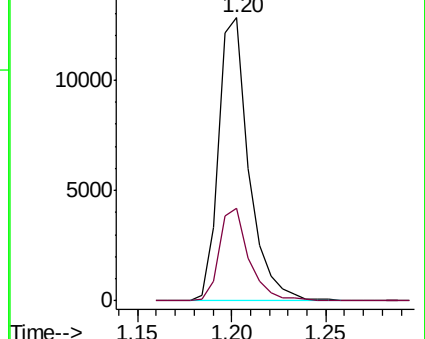
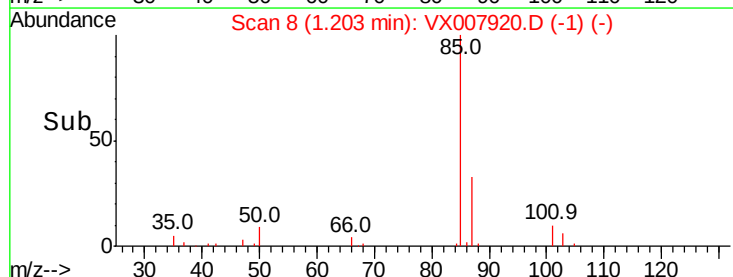
85 100

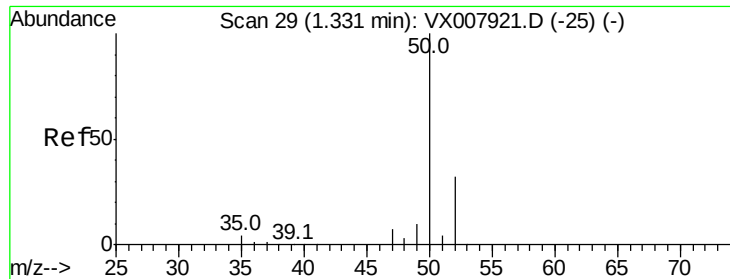
87 32.9 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 7.230 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18025

Ion Ratio Lower Upper

50 100

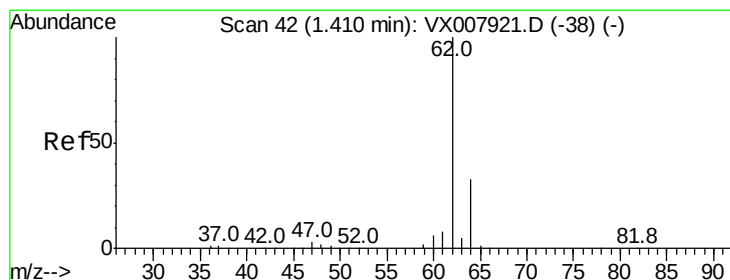
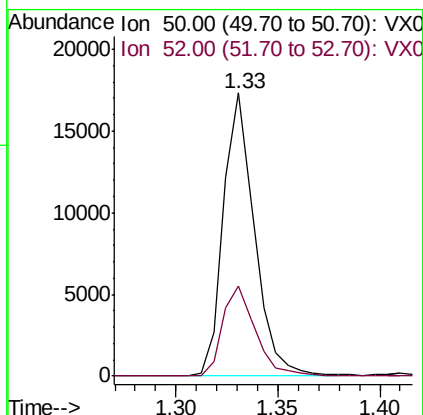
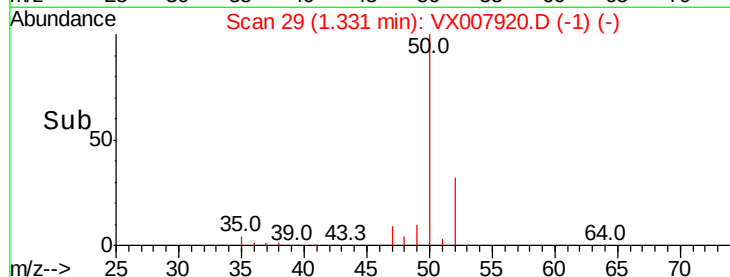
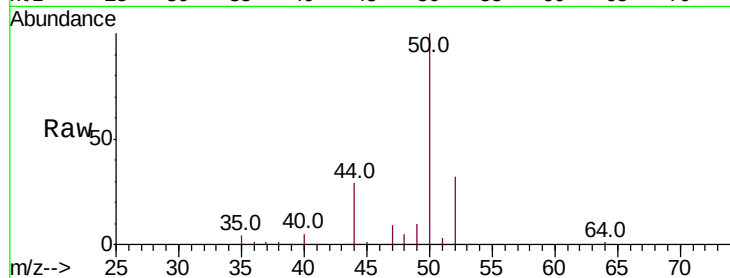
52 31.8 27.5 41.3

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#4

Vinyl Chloride

Concen: 6.381 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007920.D

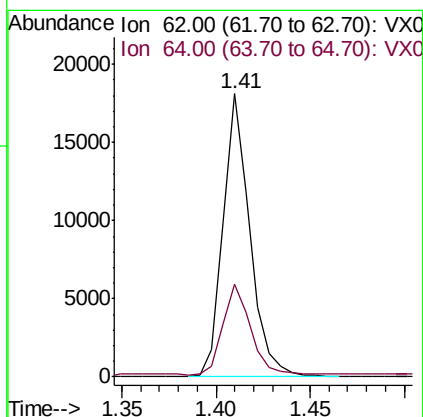
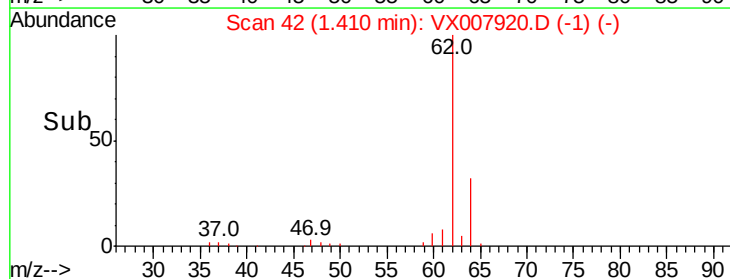
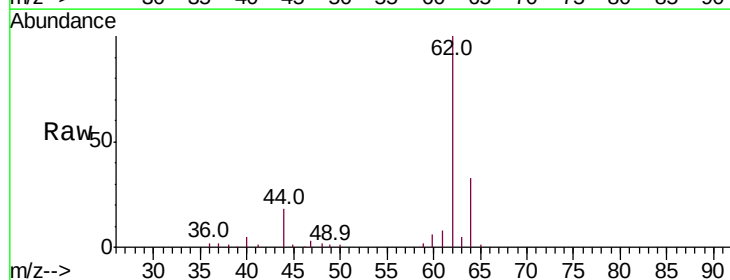
Acq: 08 Mar 2019 09:54

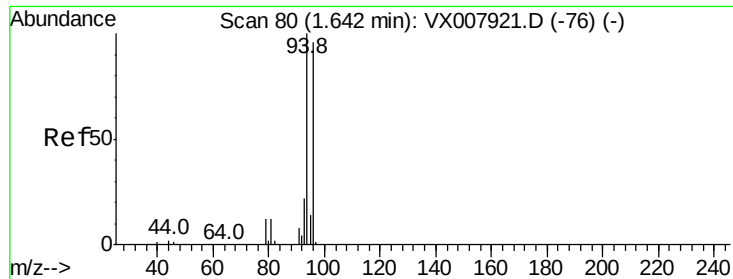
Tgt Ion: 62 Resp: 17893

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





#5

Bromomethane

Concen: 3.734 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9351

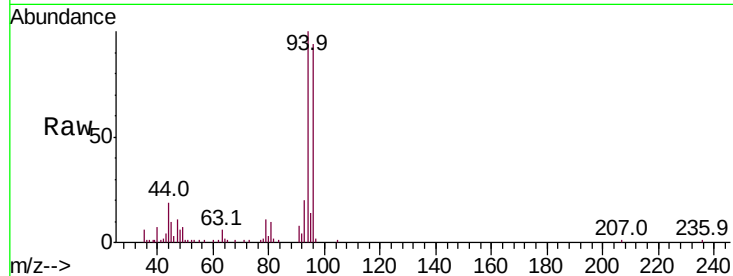
Ion Ratio Lower Upper

94 100

96 93.8 75.6 113.4

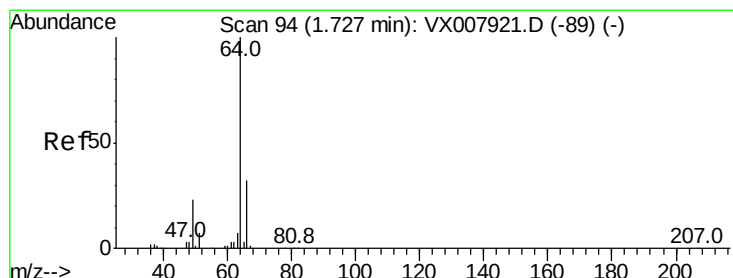
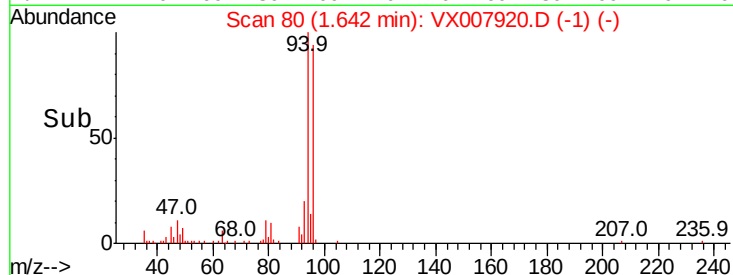
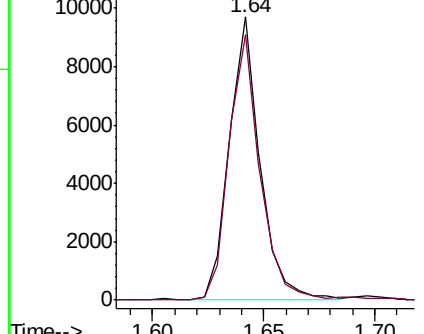
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 5.759 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007920.D

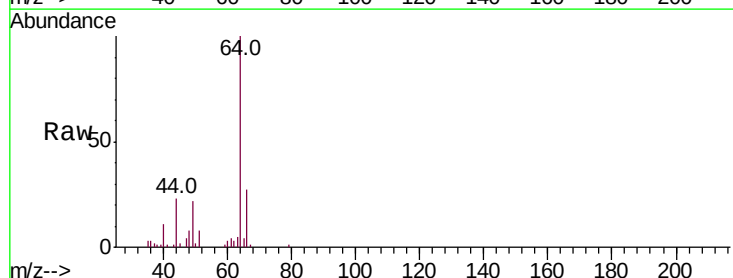
Acq: 08 Mar 2019 09:54

Tgt Ion: 64 Resp: 10978

Ion Ratio Lower Upper

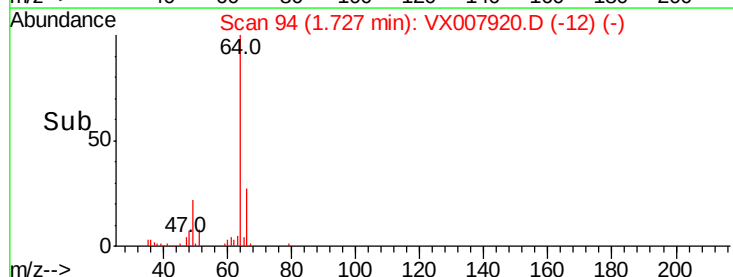
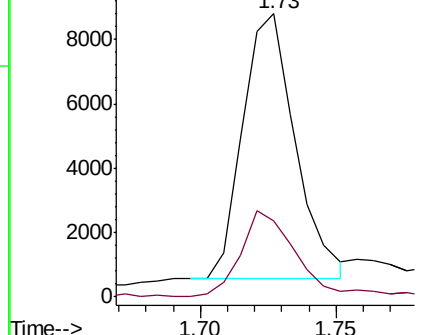
64 100

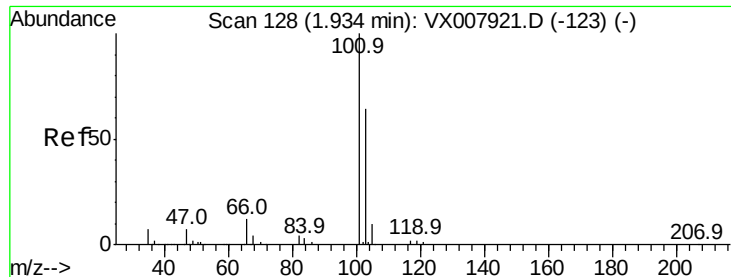
66 28.6 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

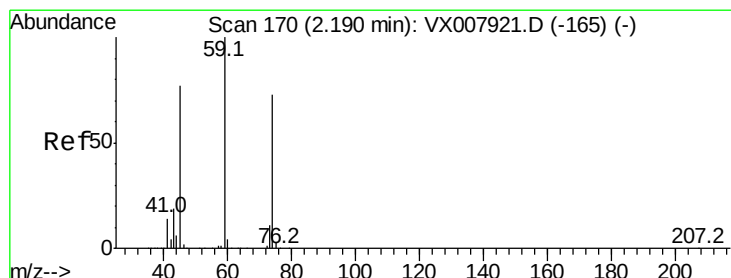
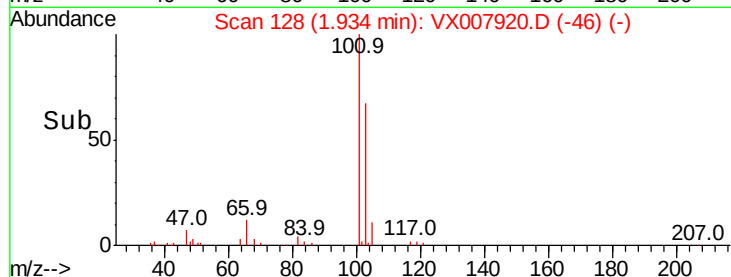
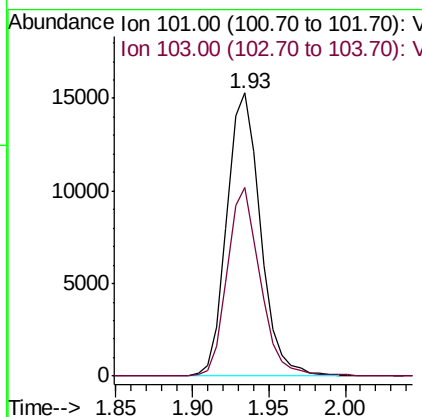
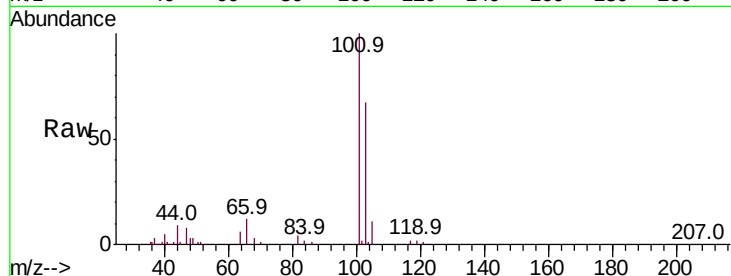
Trichlorofluoromethane
 Concen: 5.321 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.4	75.6

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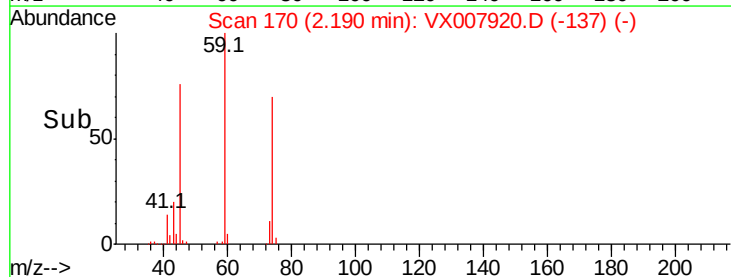
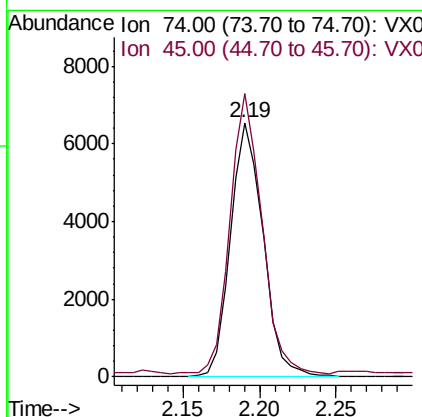
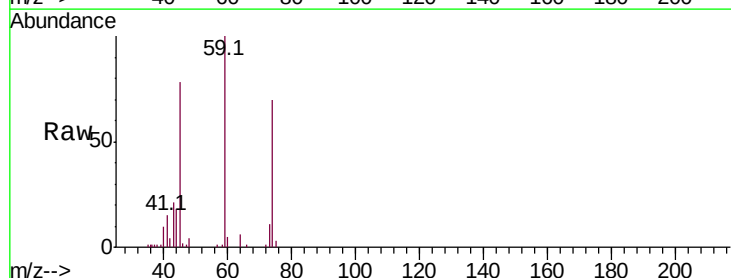
MMDadoda
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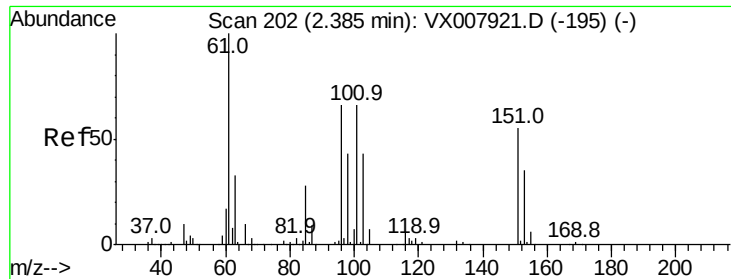


#8

Diethyl Ether
 Concen: 5.492 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.980 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

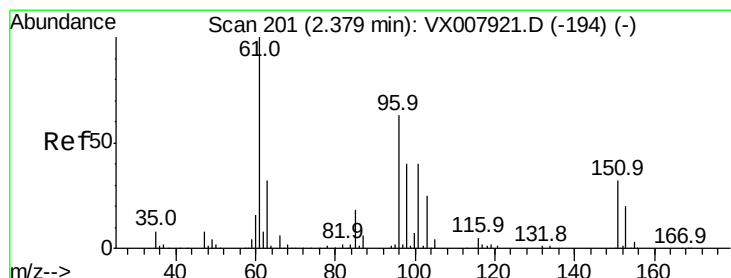
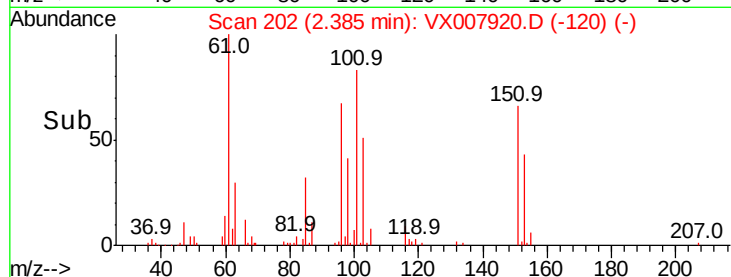
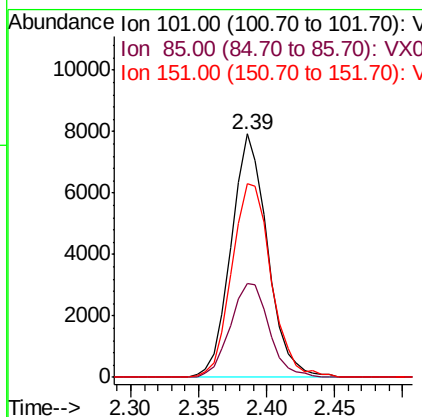
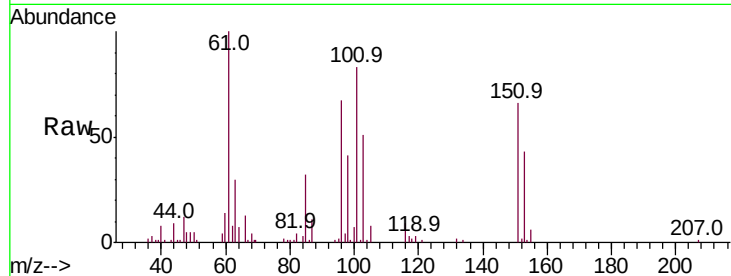
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	14832
Ion Ratio	Lower	Upper	
101	100		
85	41.0	0.0	86.8
151	85.8	0.0	169.2

Manual Integrations
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3/11/2019 9:30:42 AM



#10

1,1-Dichloroethene

Concen: 5.465 ug/l

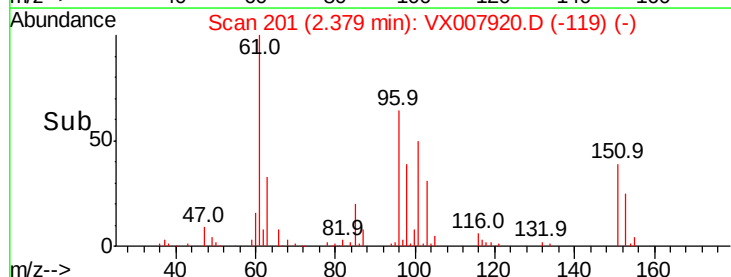
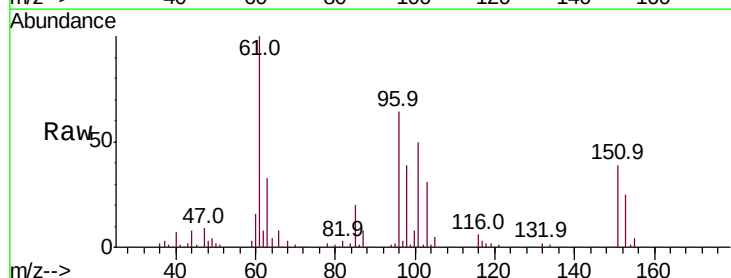
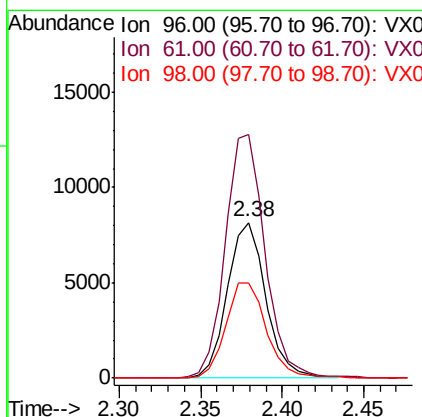
RT: 2.38 min Scan# 201

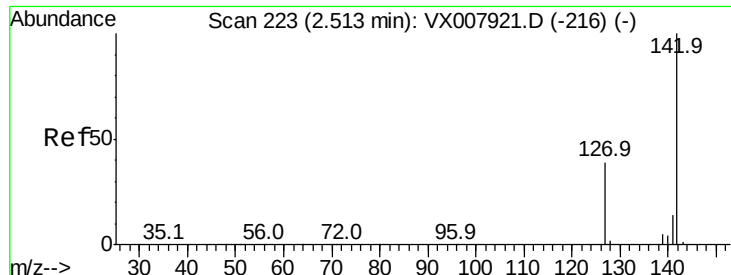
Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	96	Resp:	13450
Ion Ratio	Lower	Upper	
96	100		
61	155.3	120.2	180.2
98	60.9	49.0	73.4





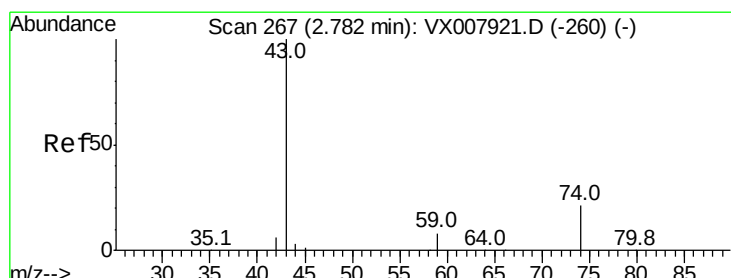
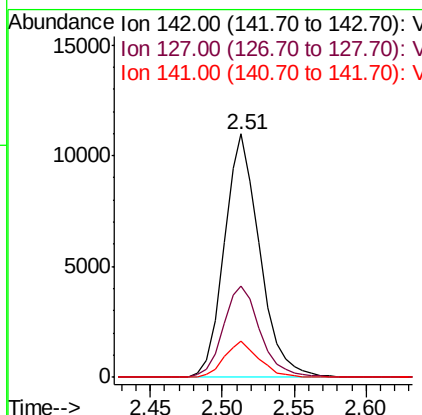
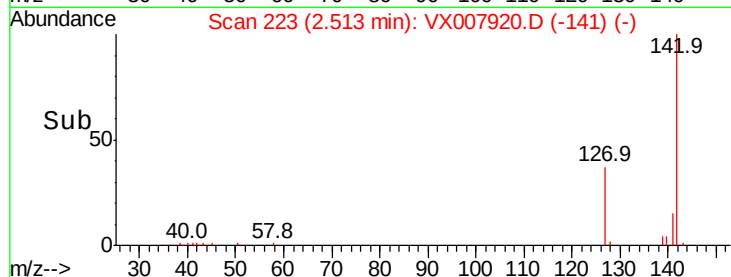
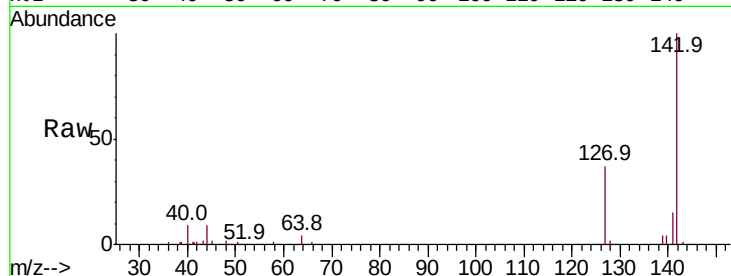
#11
Methvl Iodide
Concen: 5.324 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.4	22.1	66.5
141	14.9	7.4	22.3

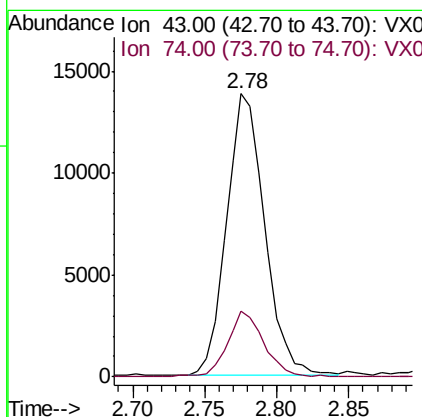
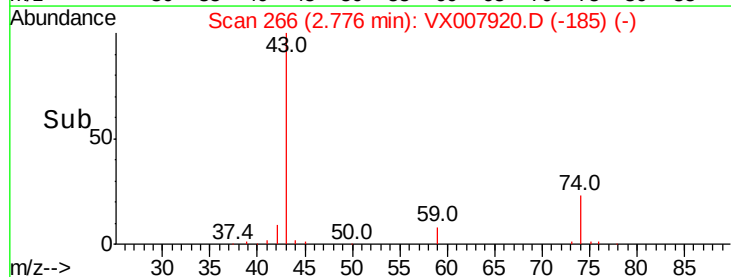
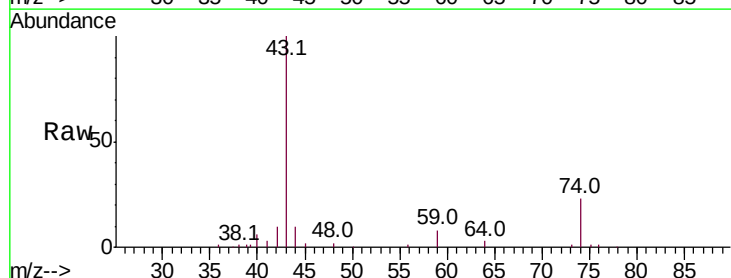
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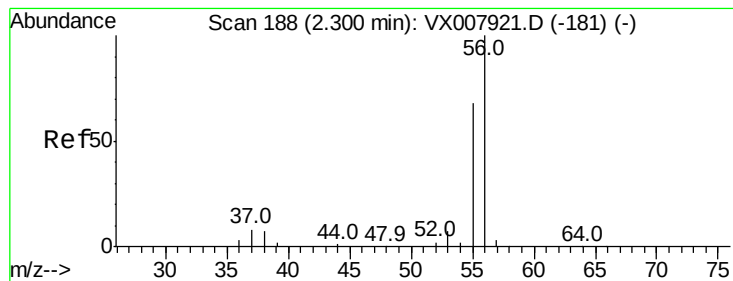
MMDadoda
3/11/2019 9:30:42 AM



#12
Methyl Acetate
Concen: 7.491 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.4	29.0





#13

Acrolein

Concen: 25.004 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 14803

Ion Ratio Lower Upper

56 100

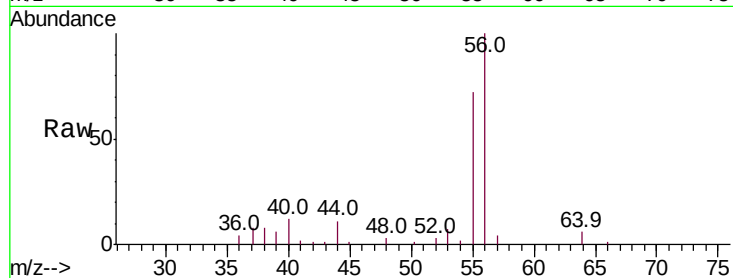
55 70.3 58.6 87.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

10000

8000

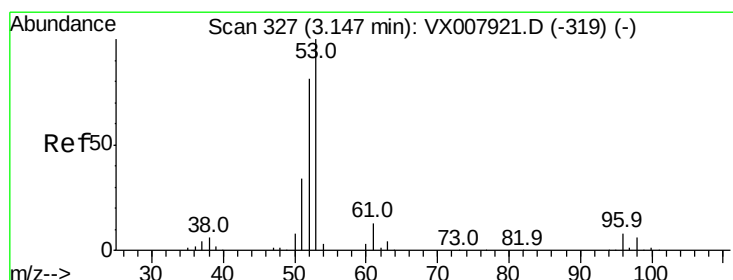
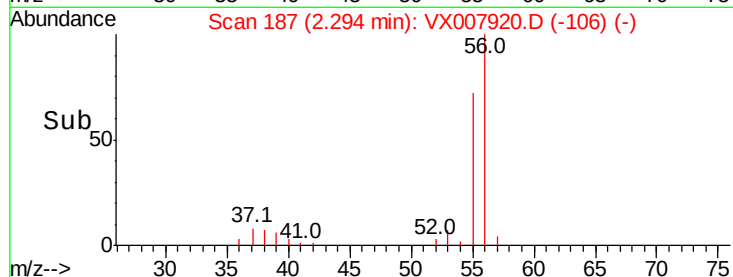
6000

4000

2000

0

Time-->



#14

Acrylonitrile

Concen: 29.377 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

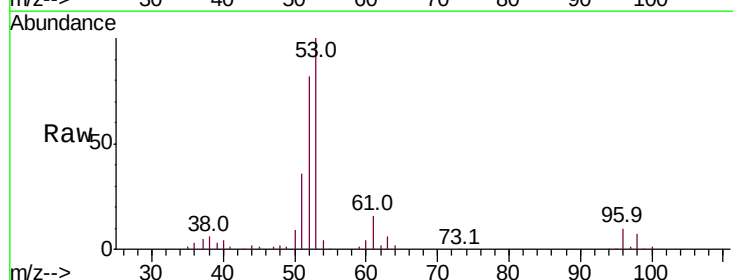
Tgt Ion: 53 Resp: 45939

Ion Ratio Lower Upper

53 100

52 82.5 41.3 124.1

51 36.7 17.5 52.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.15

30000

25000

20000

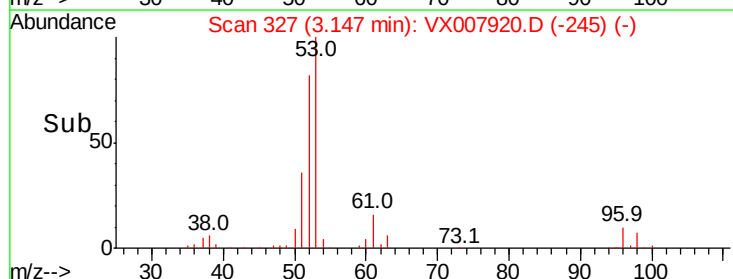
15000

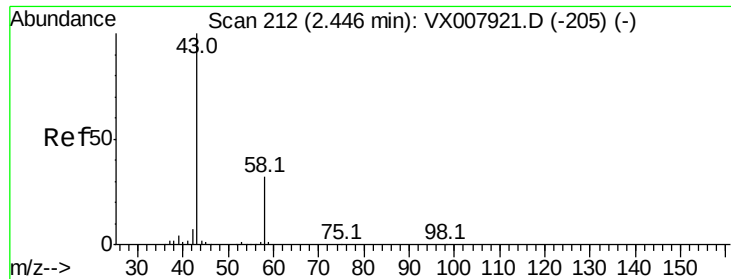
10000

5000

0

Time-->





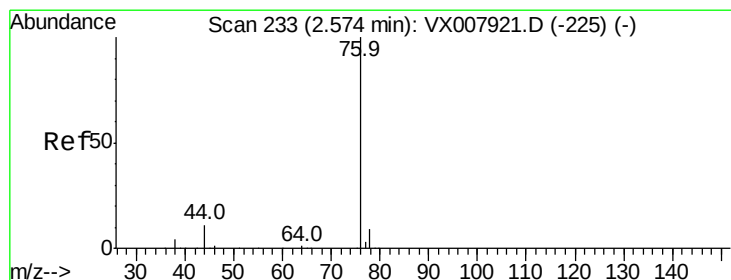
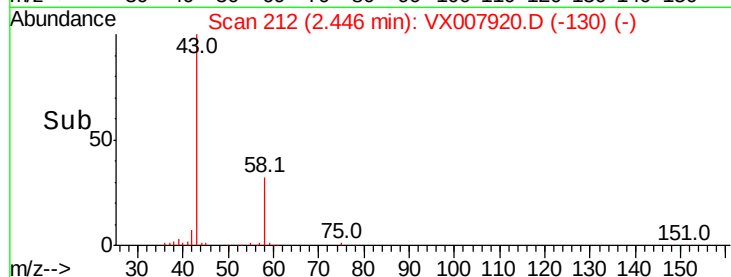
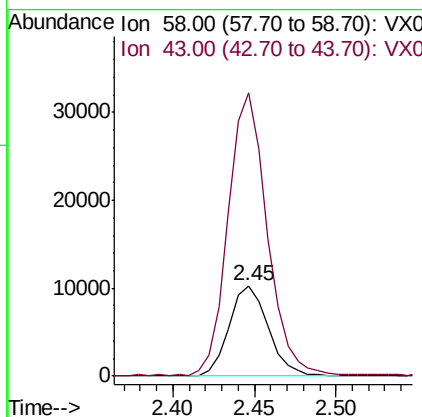
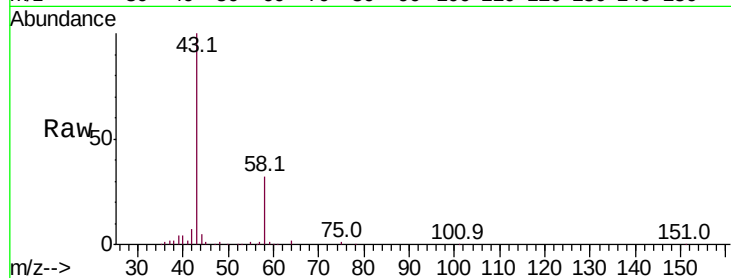
#15
Acetone
Concen: 40.903 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
58	100		
43	310.8	249.8	374.6

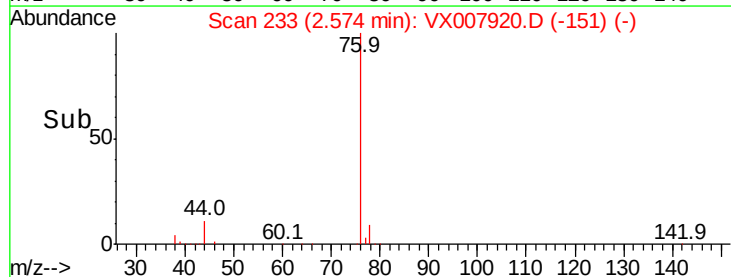
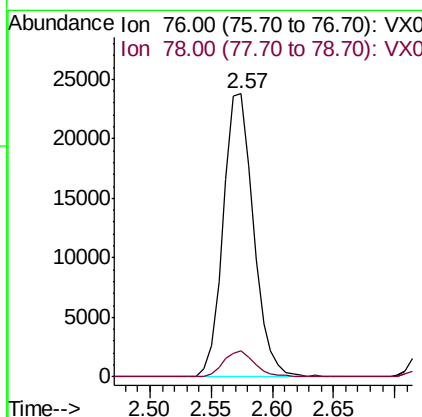
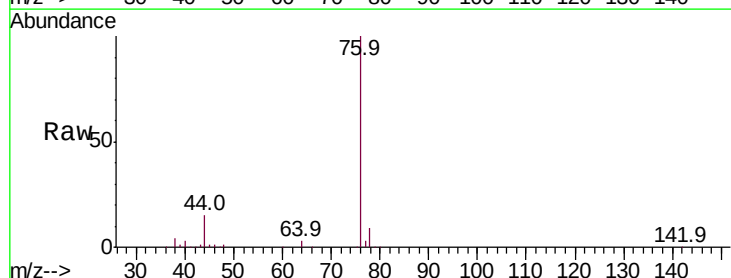
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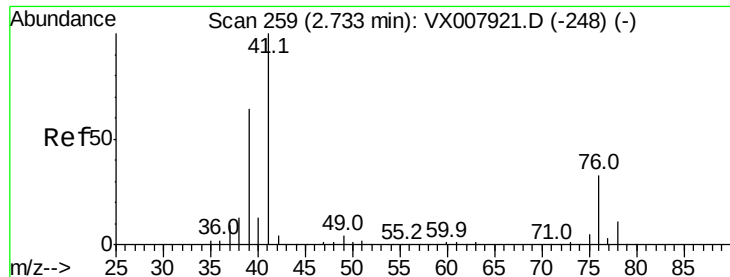
MMDadoda
3/11/2019 9:30:42 AM



#16
Carbon Disulfide
Concen: 6.270 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3





#17

Allvl chloride

Concen: 6.436 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

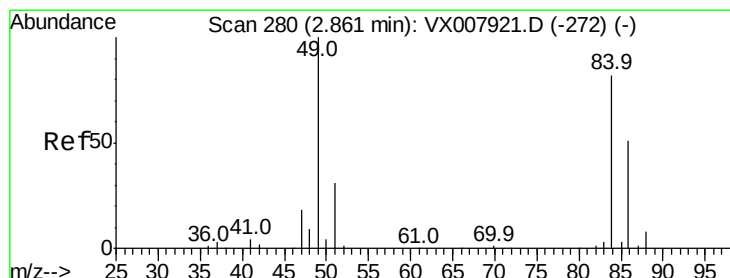
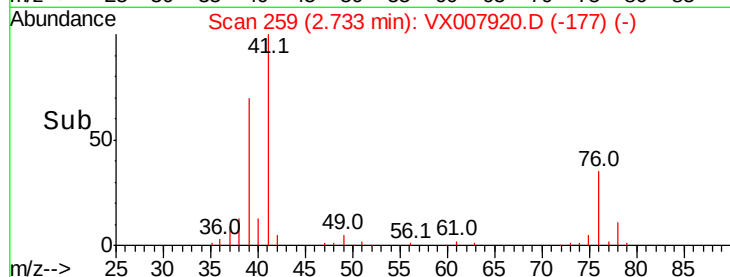
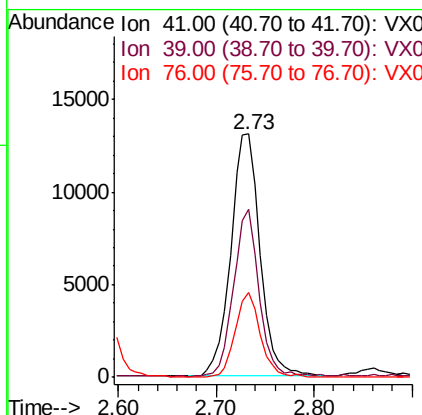
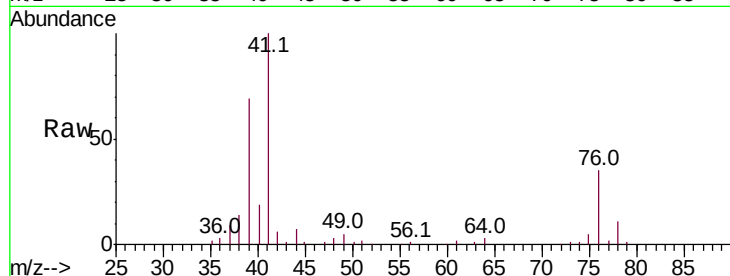
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	27139
Ion	Ratio	Lower	Upper
41	100		
39	69.7	35.8	107.4
76	35.2	18.3	54.9

Manual Integrations
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#18

Methylene Chloride

Concen: 6.078 ug/l

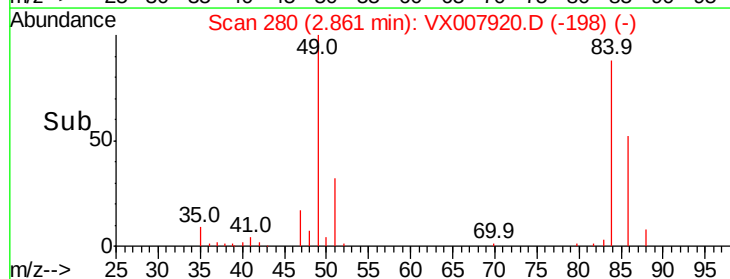
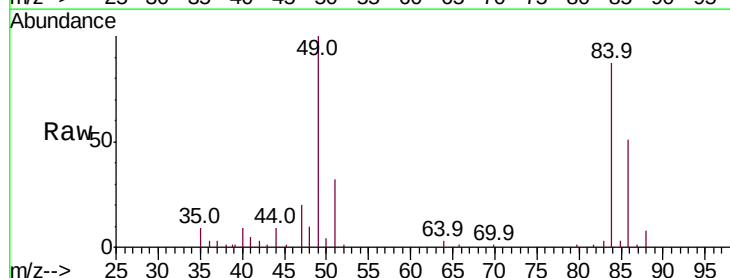
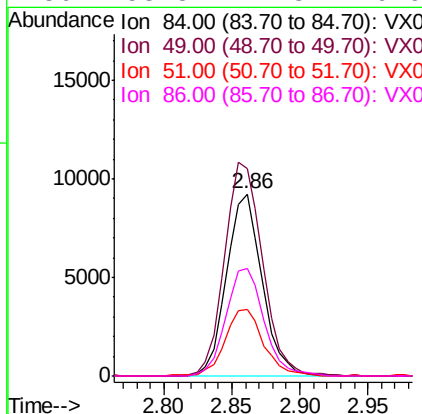
RT: 2.86 min Scan# 280

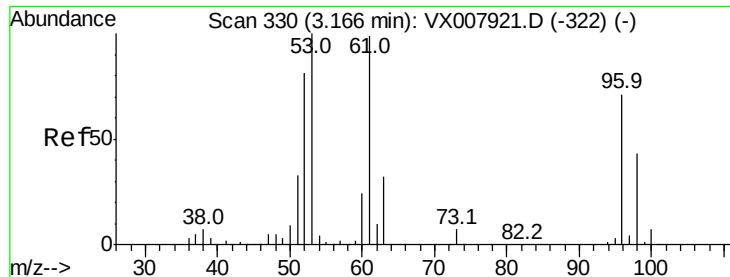
Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	84	Resp:	16822
Ion	Ratio	Lower	Upper
84	100		
49	113.7	96.1	144.1
51	36.4	29.1	43.7
86	58.8	47.3	70.9





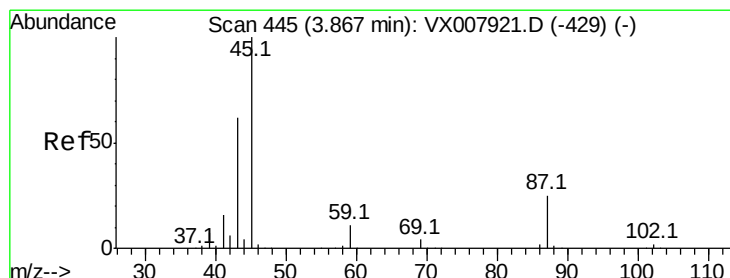
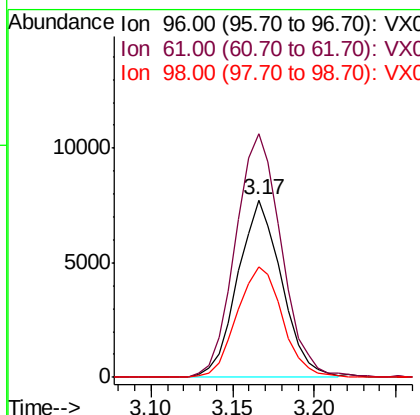
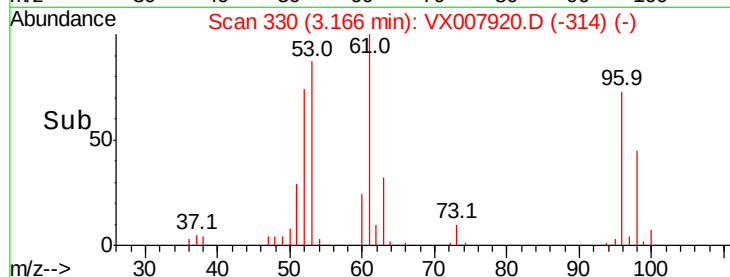
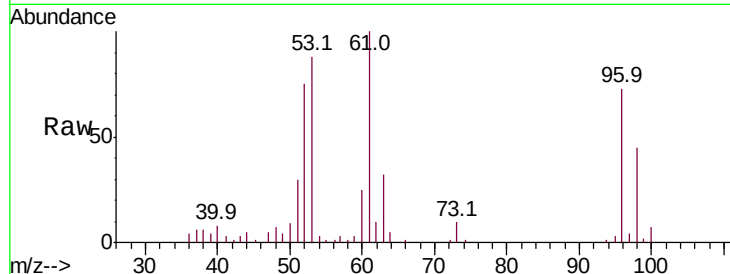
#19
trans-1,2-Dichloroethene
Concen: 5.516 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.9	164.9
98	62.0	50.4	75.6

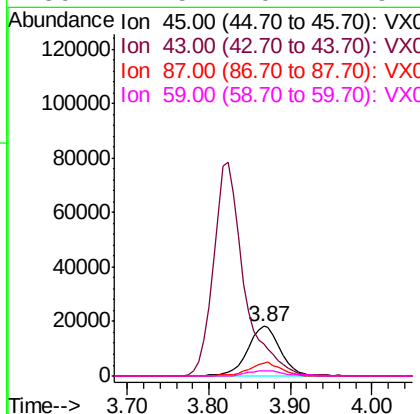
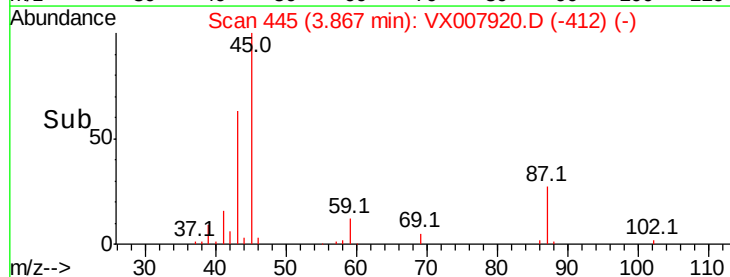
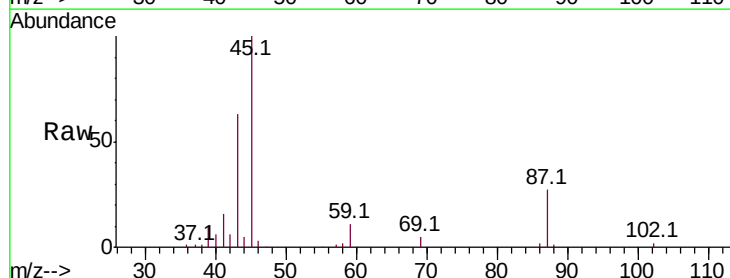
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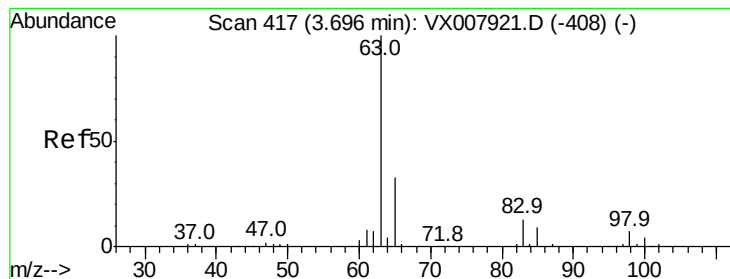
MMDadoda
3/11/2019 9:30:42 AM



#20
Diisopropyl ether
Concen: 6.425 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	50.6	76.0
87	26.6	24.5	36.7
59	11.5	10.2	15.2





#21

1,1-Dichloroethane

Concen: 6.333 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

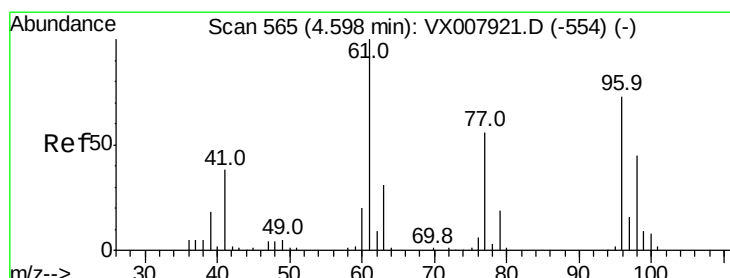
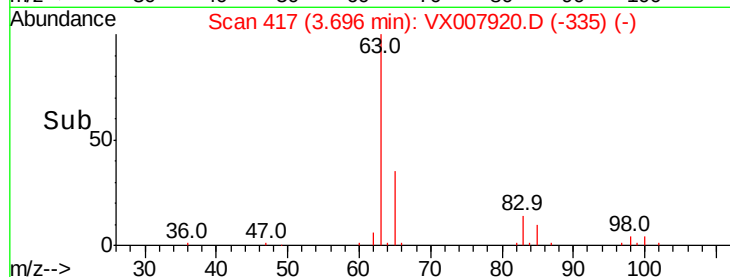
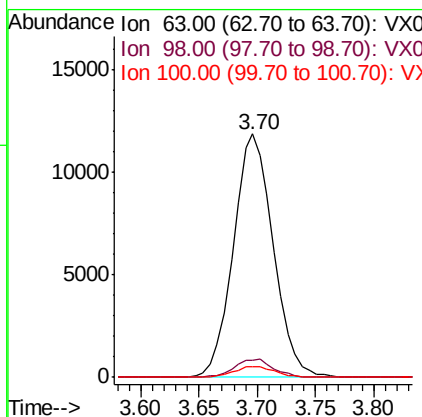
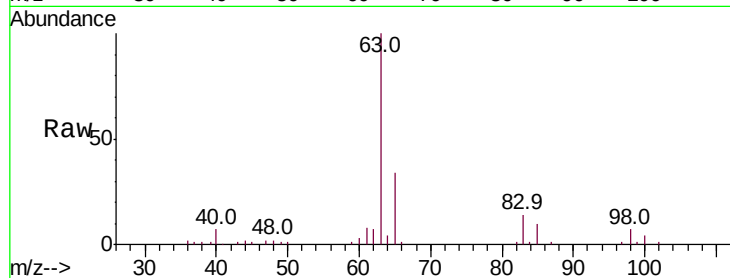
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	28291
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.8	11.4
100	4.2	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 5.689 ug/l

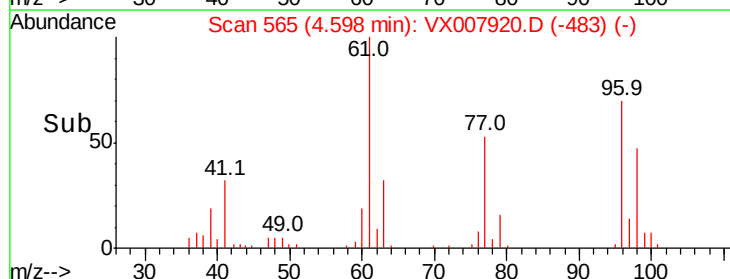
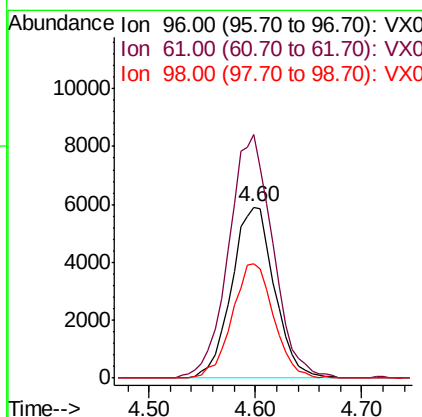
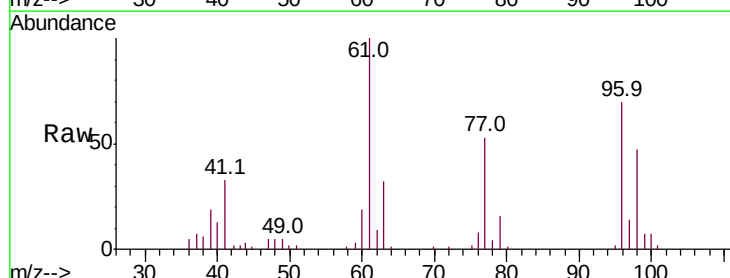
RT: 4.60 min Scan# 565

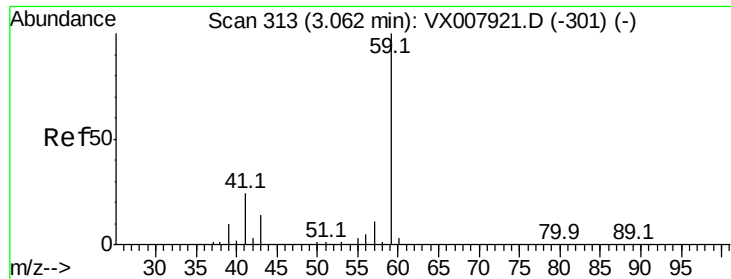
Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	96	Resp:	16665
Ion Ratio	Lower	Upper	
96	100		
61	146.5	103.5	155.3
98	64.7	52.1	78.1





#23

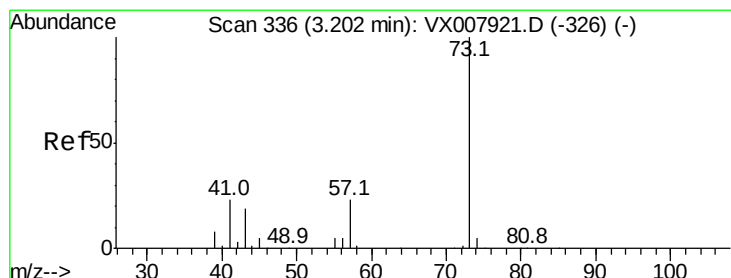
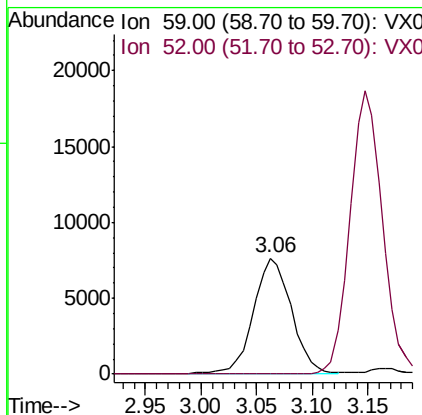
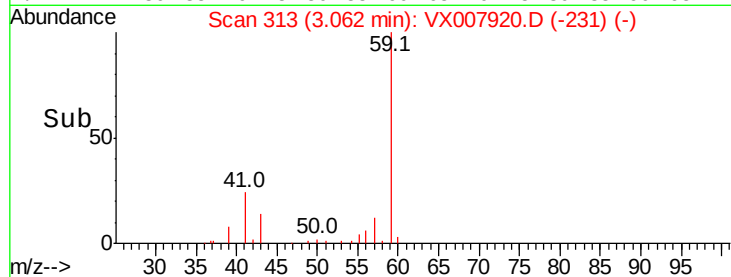
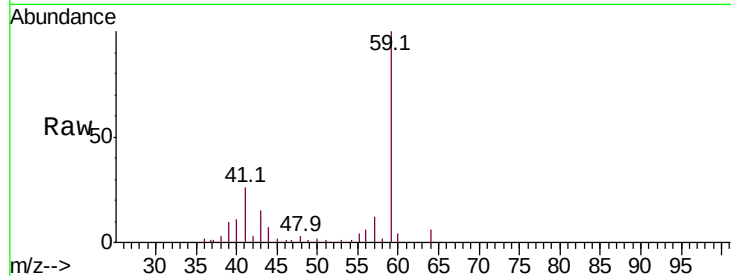
tert-Butyl Alcohol
 Concen: 27.764 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

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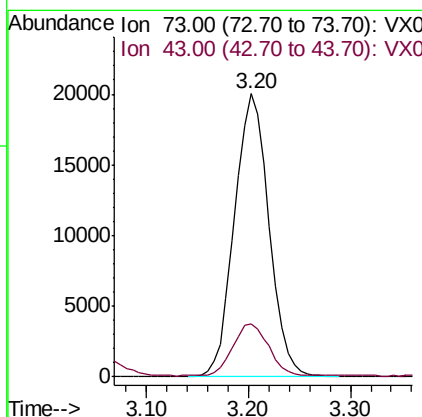
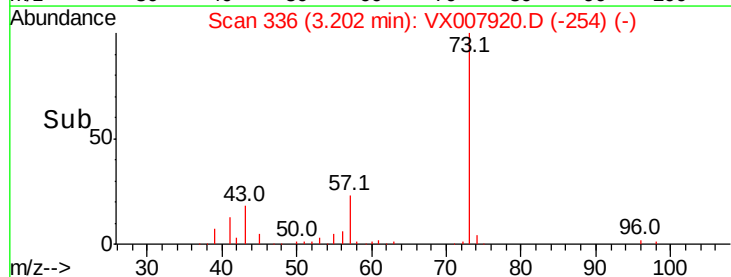
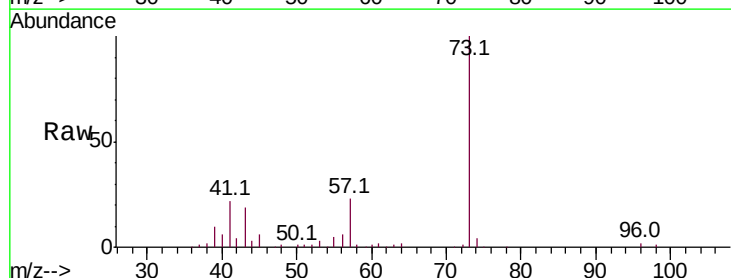
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 3/11/2019 9:30:42 AM

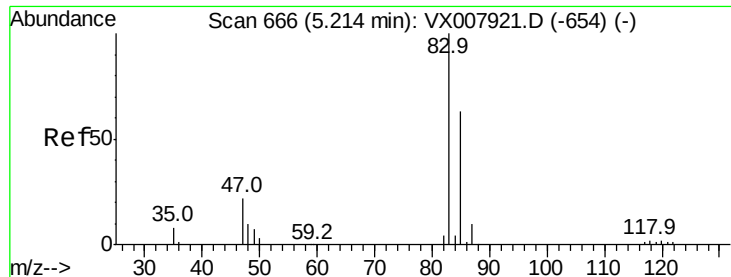


#24

Methyl tert-Butyl Ether
 Concen: 5.520 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.5	17.1	25.7





#25

Chloroform

Concen: 5.699 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 83 Resp: 26888

Ion Ratio Lower Upper

83 100

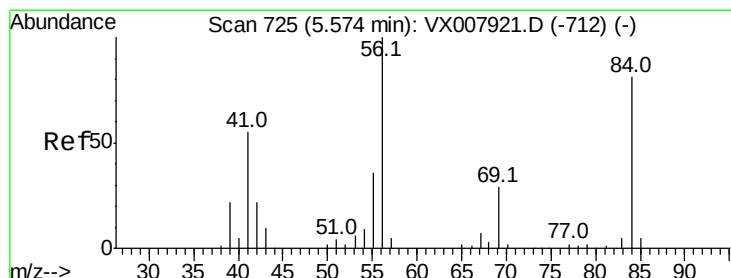
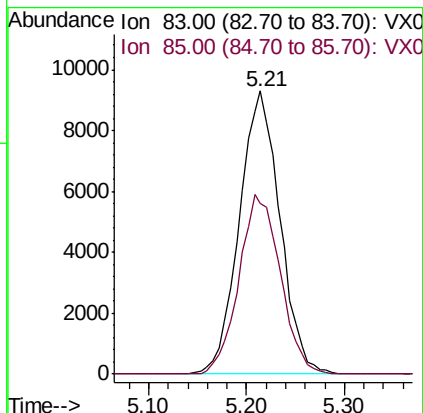
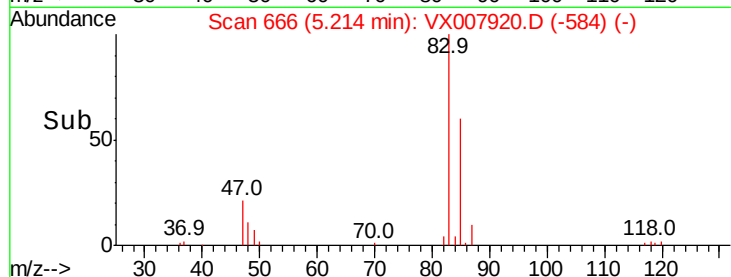
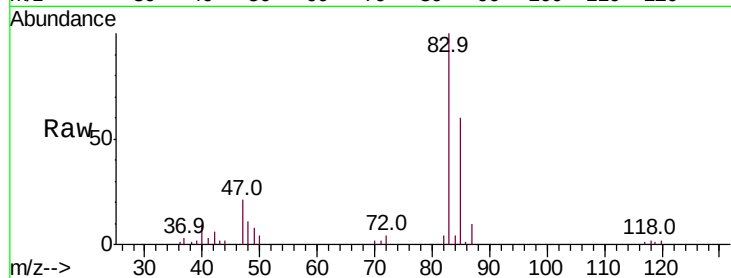
85 60.4 53.8 80.6

Manual Integrations

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3/11/2019 9:30:42 AM



#26

Cyclohexane

Concen: 6.644 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

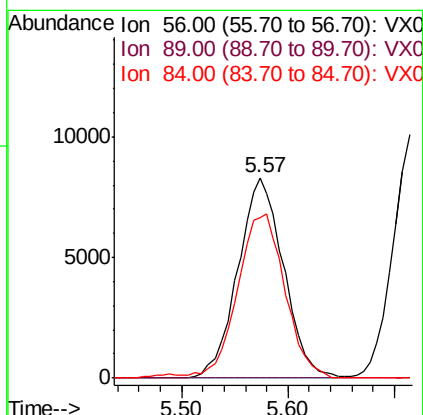
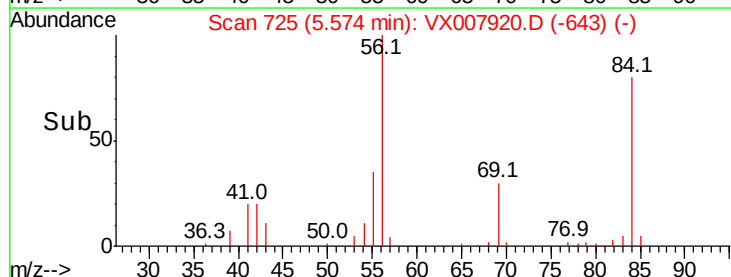
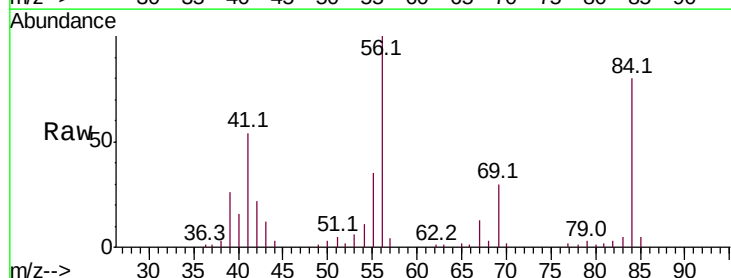
Tgt Ion: 56 Resp: 24888

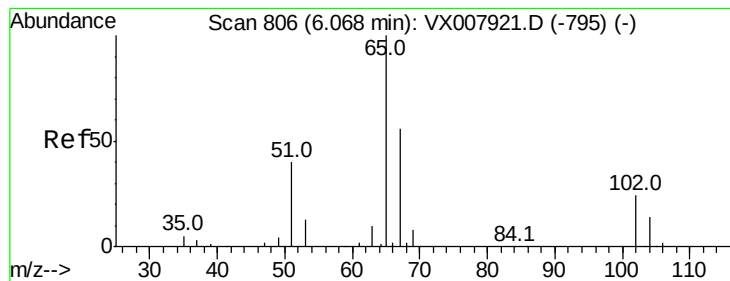
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.8 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 30.953 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 89695

Ion Ratio Lower Upper

65 100

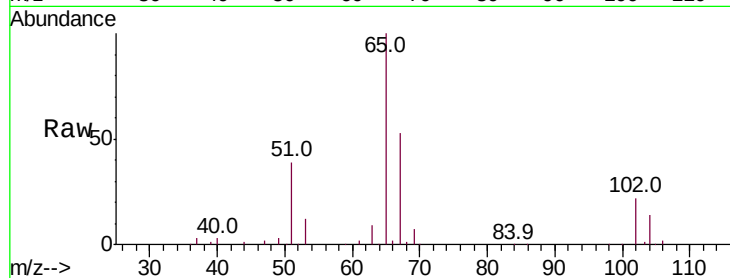
67 54.5 42.9 64.3

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

40000

30000

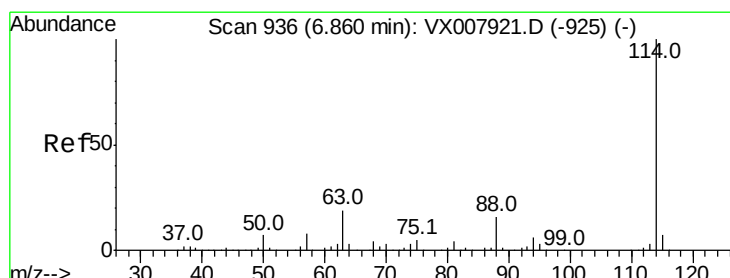
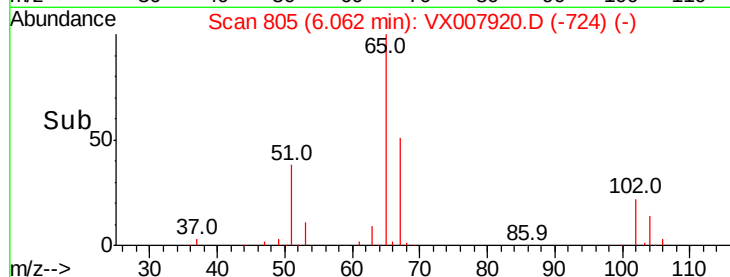
20000

10000

0

Time-->

6.00 6.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

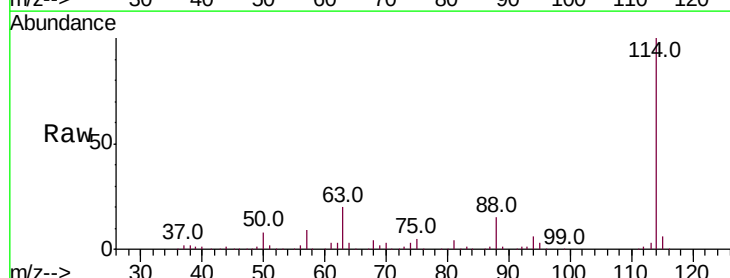
Tgt Ion:114 Resp: 240202

Ion Ratio Lower Upper

114 100

63 19.8 14.2 21.4

88 15.4 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.86

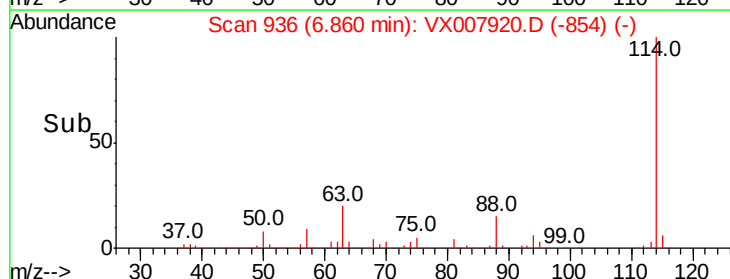
100000

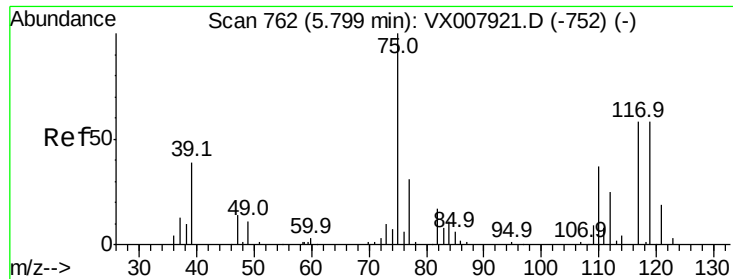
50000

0

Time-->

6.75 6.80 6.85 6.90 6.95





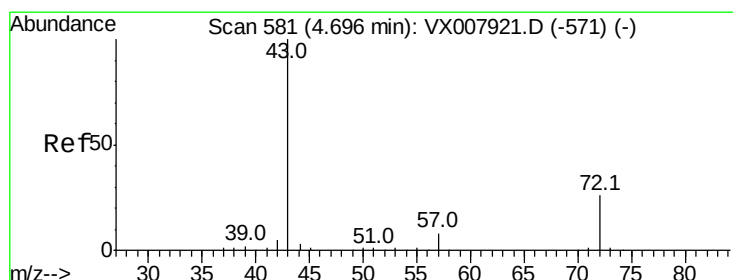
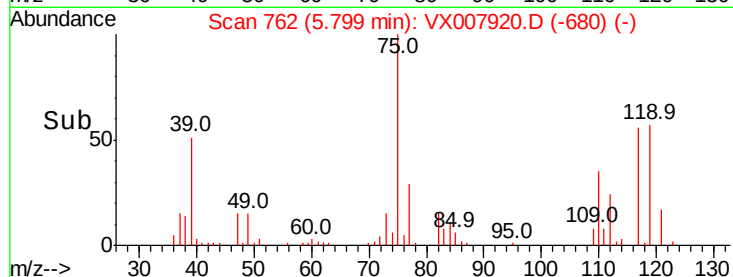
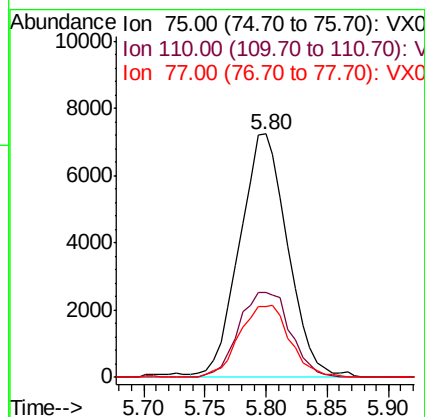
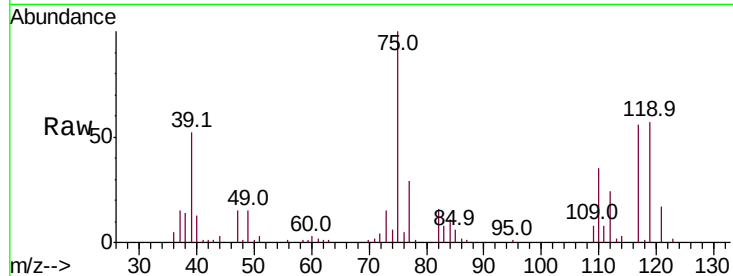
#29
 1,1-Dichloropropene
 Concen: 5.905 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.4	0.0	80.8
77	31.2	0.0	62.4

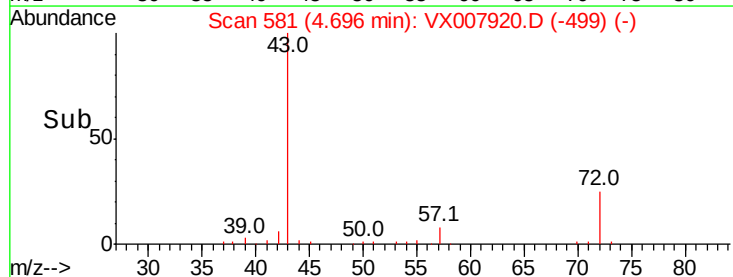
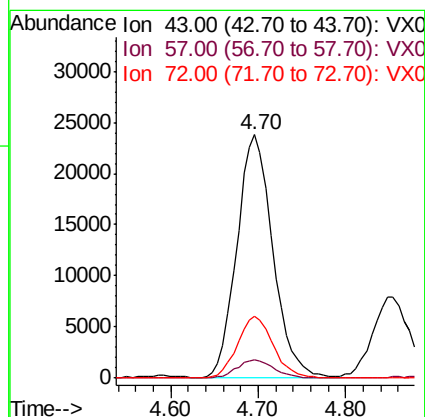
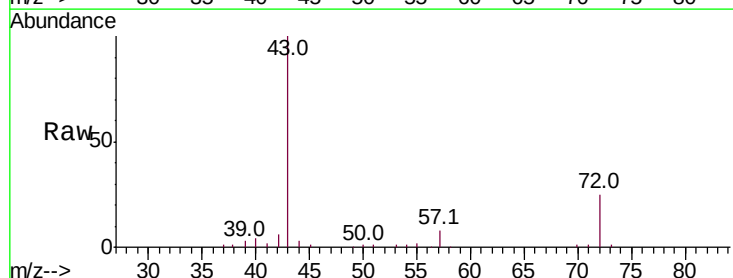
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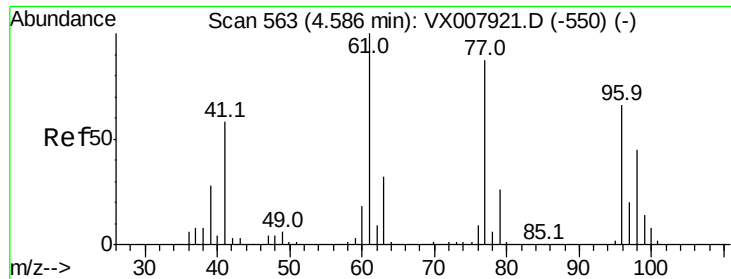
MMDadoda
 3/11/2019 9:30:42 AM



#30
 2-Butanone
 Concen: 34.192 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	7.0	10.6
72	25.2	21.5	32.3





#31

2,2-Dichloropropane

Concen: 6.497 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 17686

Ion Ratio Lower Upper

77 100

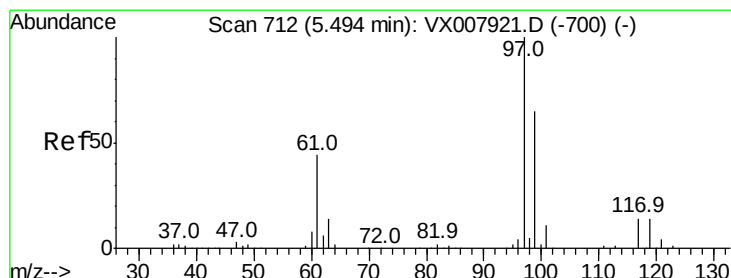
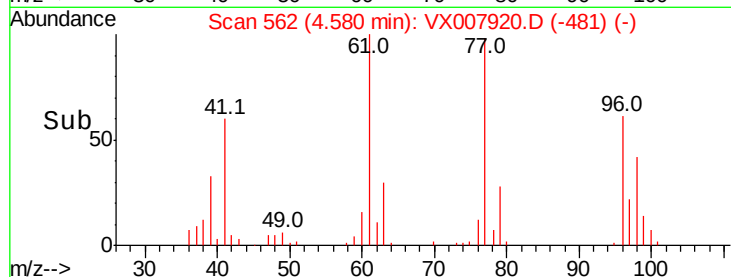
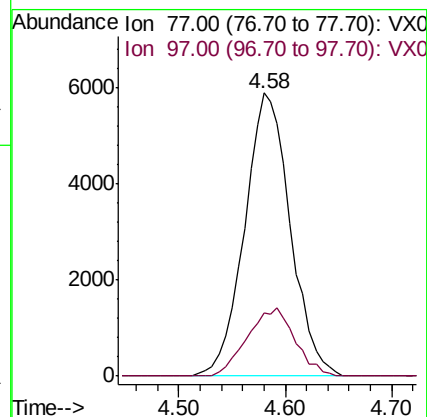
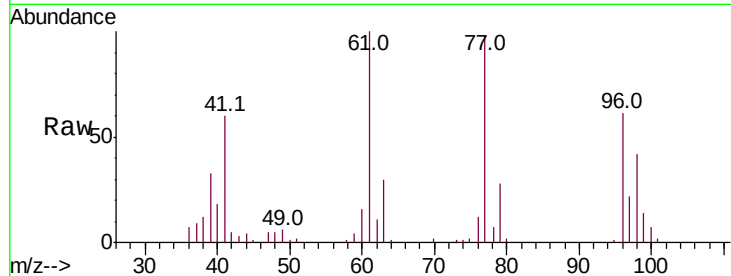
97 25.1 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 5.240 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

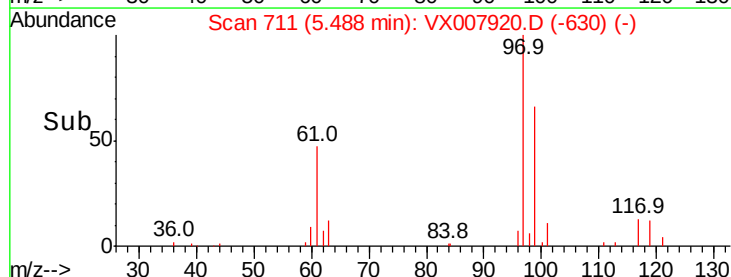
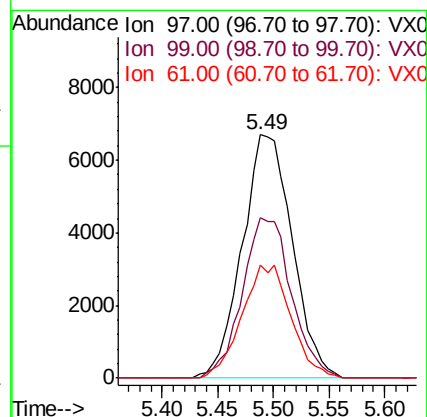
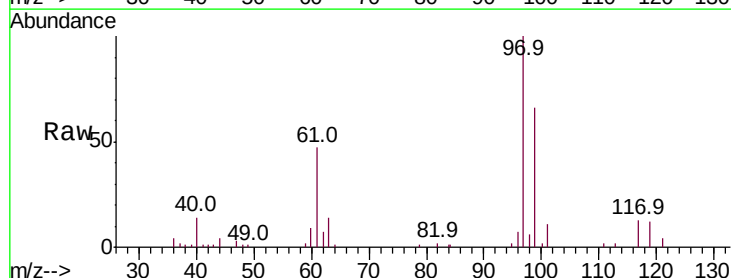
Tgt Ion: 97 Resp: 20985

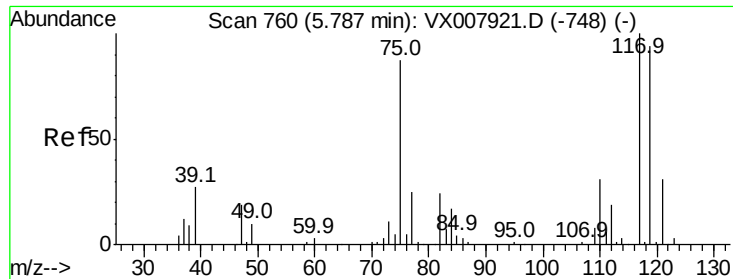
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 45.5 32.8 49.2





#33

Carbon Tetrachloride

Concen: 5.170 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

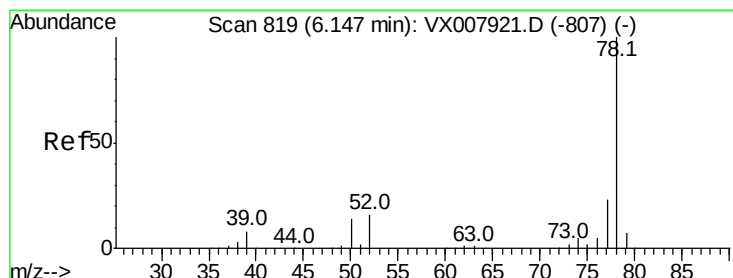
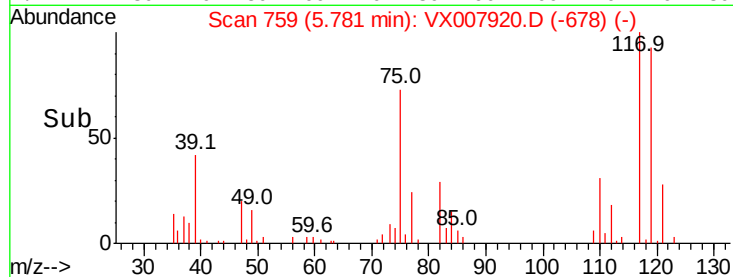
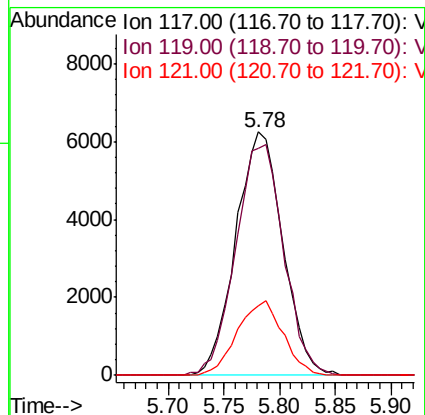
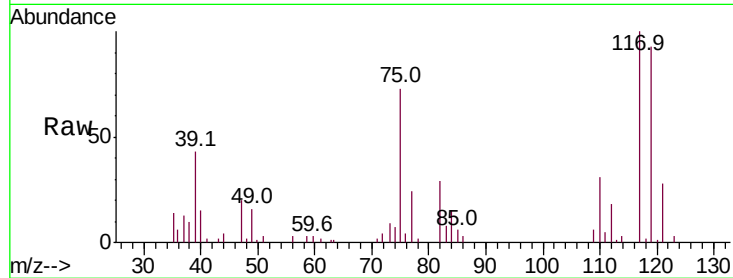
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	18304
Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.1	117.1
121	28.4	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 5.906 ug/l

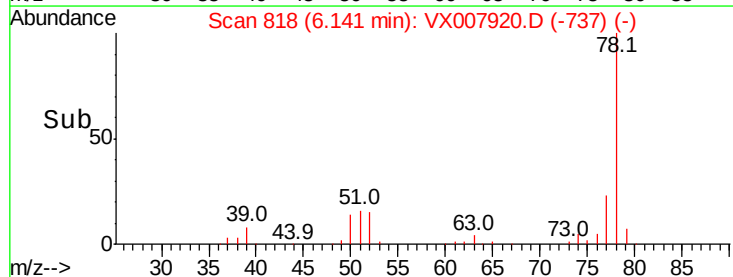
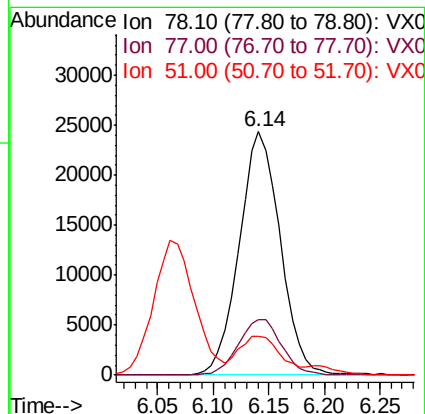
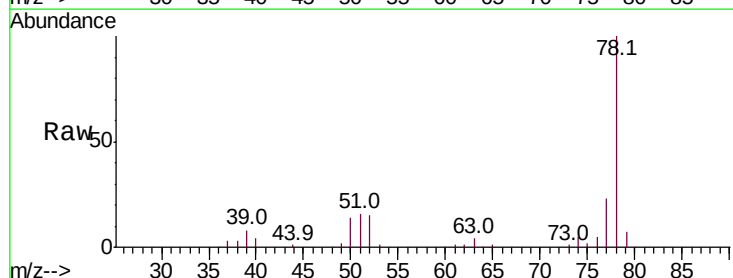
RT: 6.14 min Scan# 818

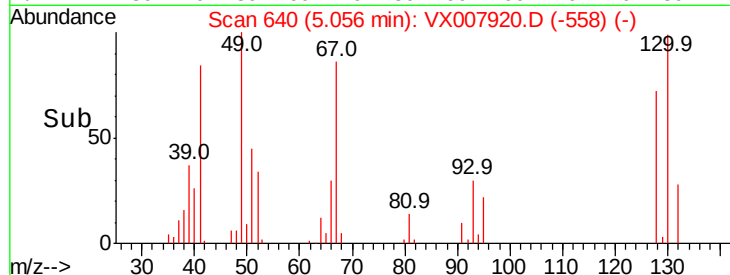
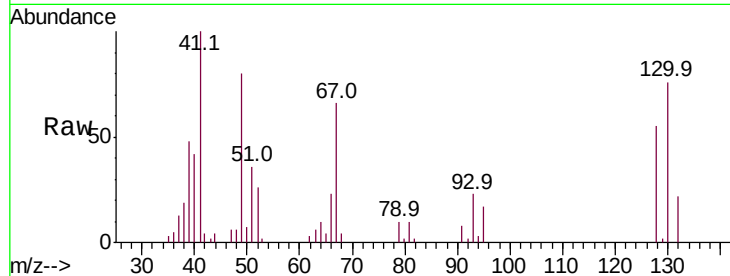
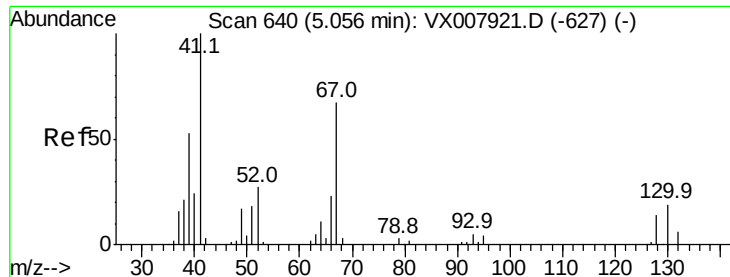
Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	78	Resp:	62378
Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7
51	14.6	10.8	16.2





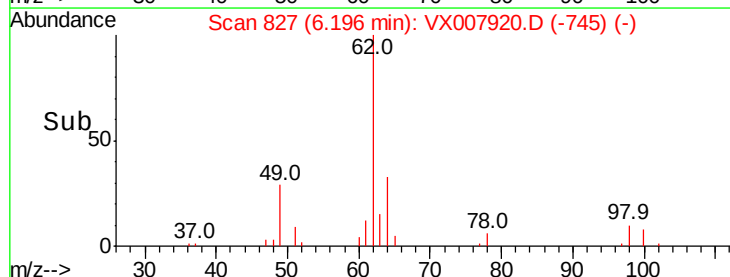
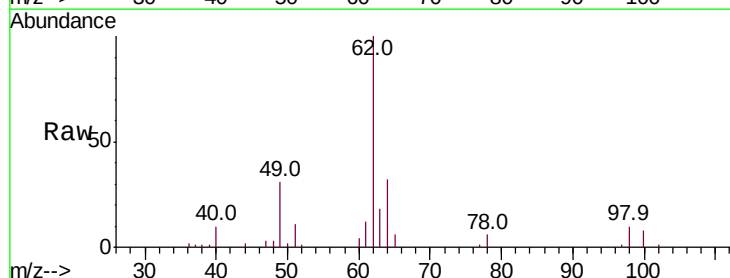
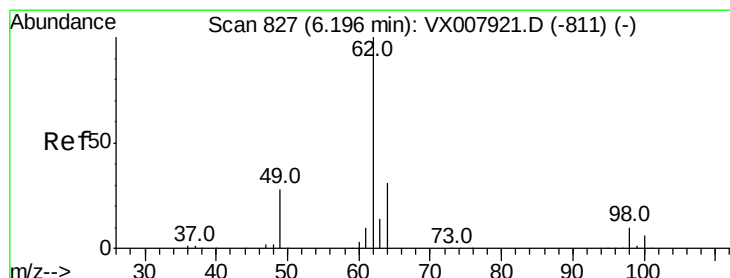
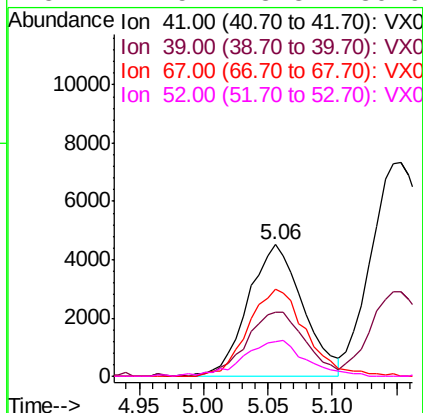
#35
Methacrylonitrile
Concen: 6.494 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.2	27.4	82.0
67	65.9	37.9	113.6
52	24.5	13.3	39.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

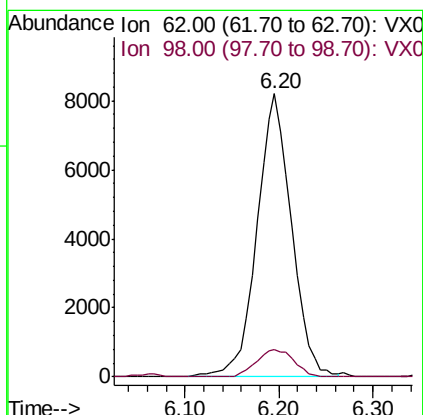
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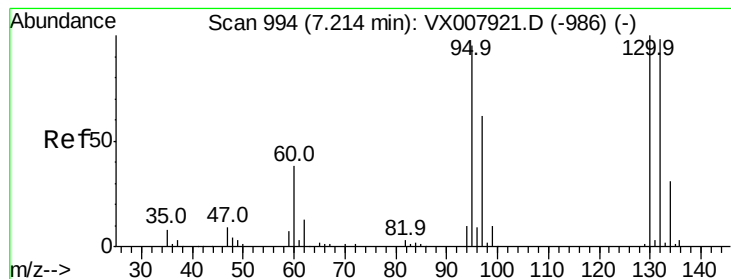
MMDadoda
3/11/2019 9:30:42 AM



#36
1,2-Dichloroethane
Concen: 5.859 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	7.8	11.8





#37

Trichloroethene

Concen: 5.586 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 16965

Ion Ratio Lower Upper

130 100

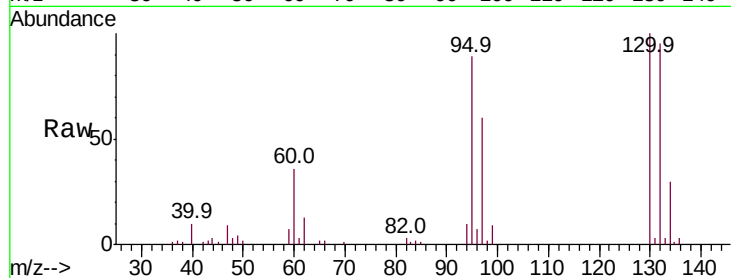
95 89.0 71.3 106.9

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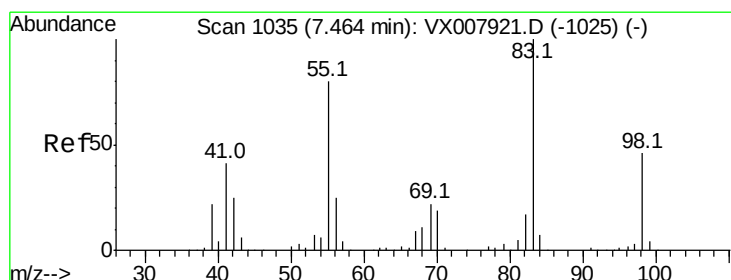
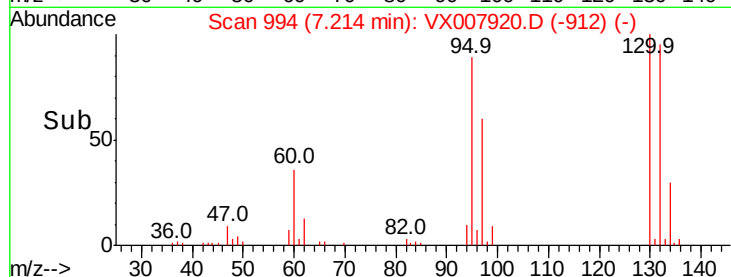
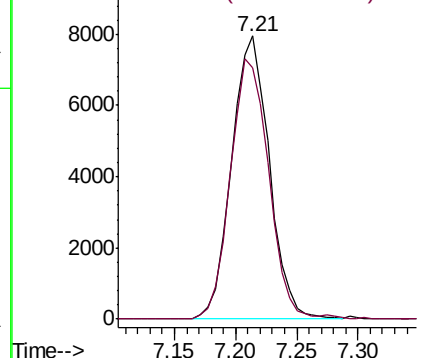
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 6.393 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

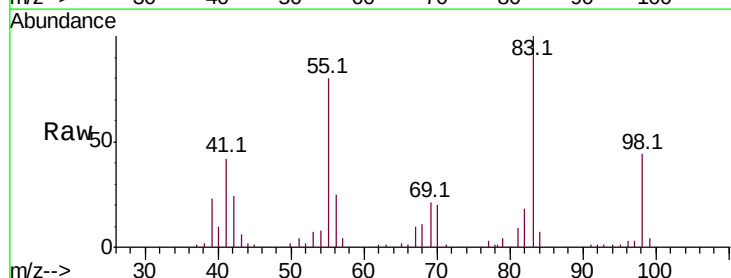
Tgt Ion: 83 Resp: 24797

Ion Ratio Lower Upper

83 100

55 80.5 36.0 108.0

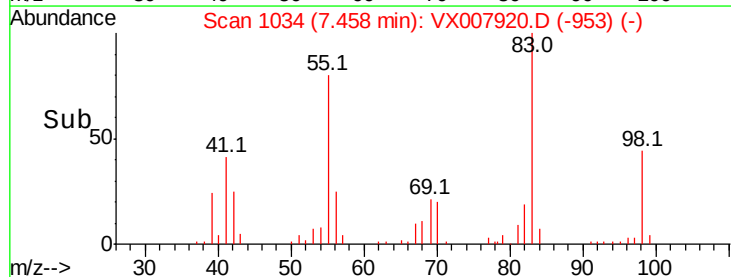
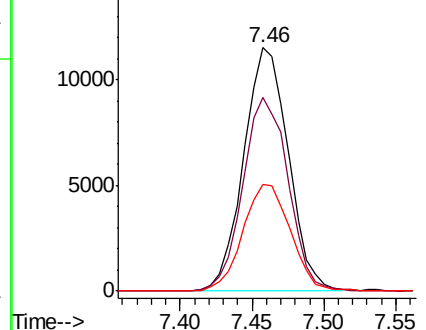
98 46.7 23.8 71.4

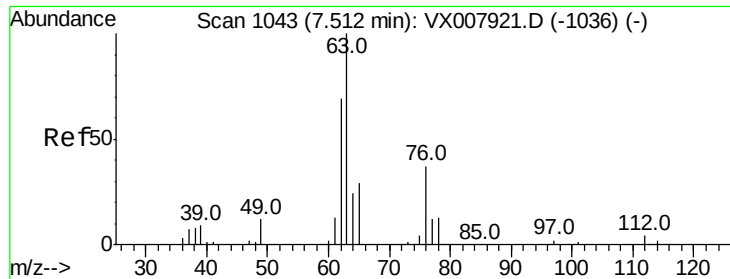


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 6.087 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 15991

Ion Ratio Lower Upper

63 100

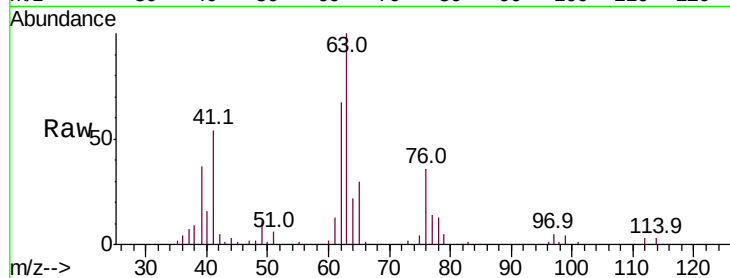
65 30.0 24.6 37.0

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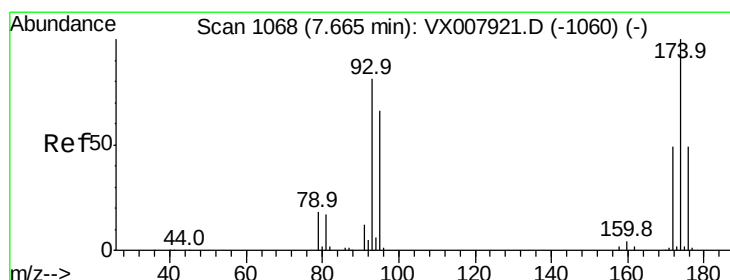
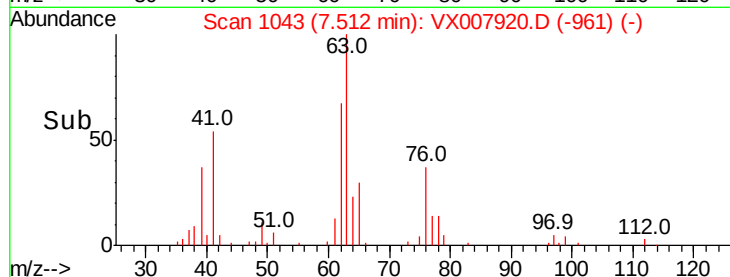
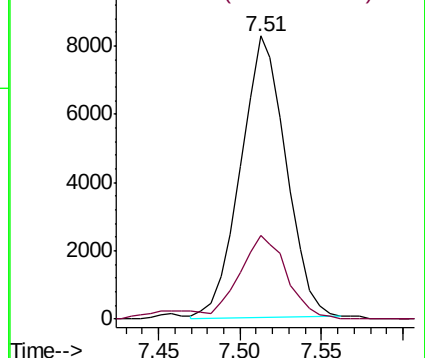
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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 5.443 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

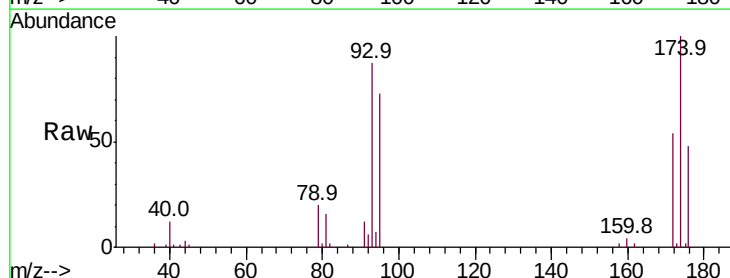
Tgt Ion: 93 Resp: 10327

Ion Ratio Lower Upper

93 100

95 84.5 0.0 158.8

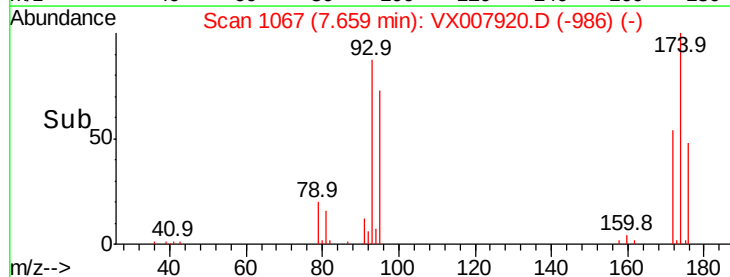
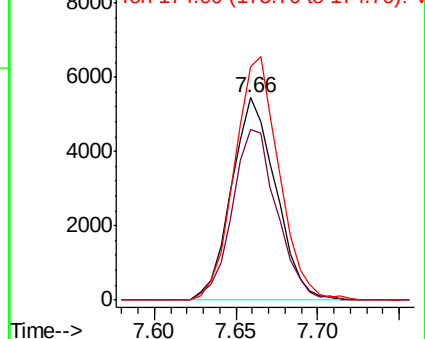
174 120.3 0.0 224.2

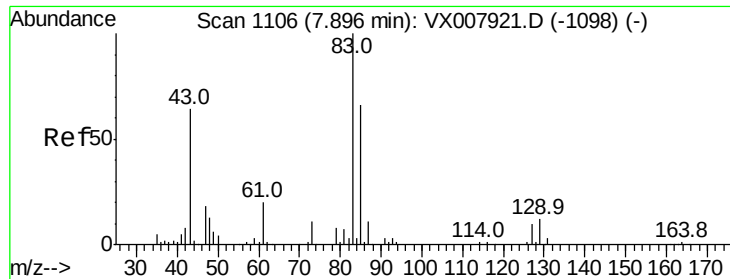


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 5.461 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

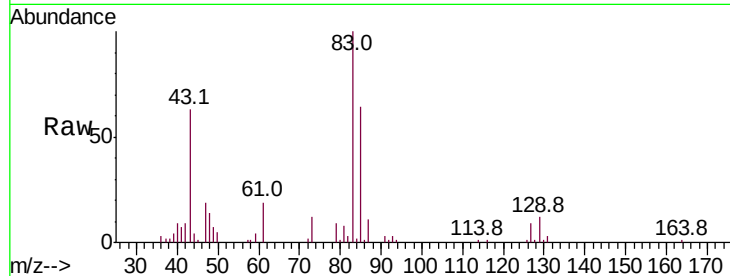
ClientSampled :

VSTDIC005

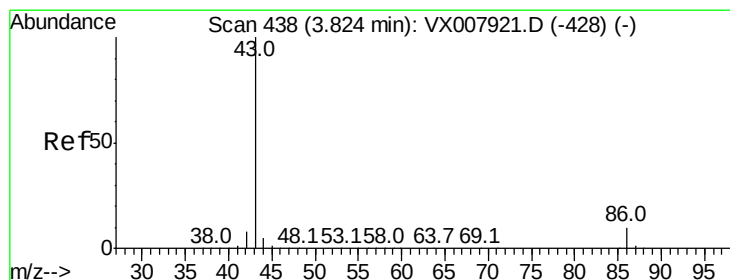
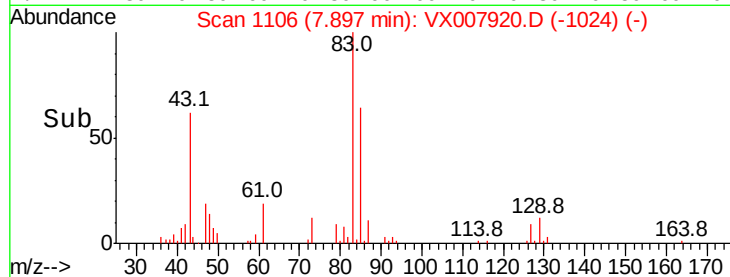
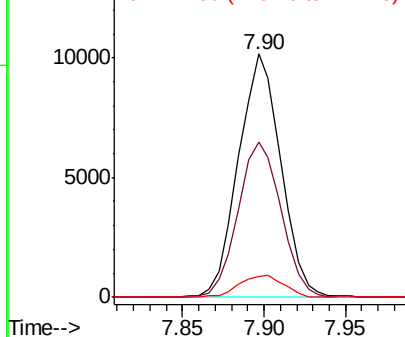
Tot Ion:	83	Resp:	18388
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.1	76.7
127	8.7	7.2	10.8

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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 29.576 ug/l

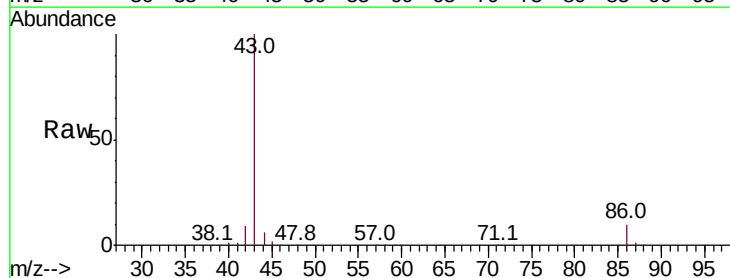
RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

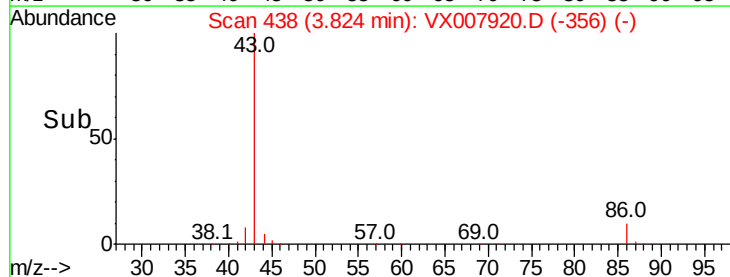
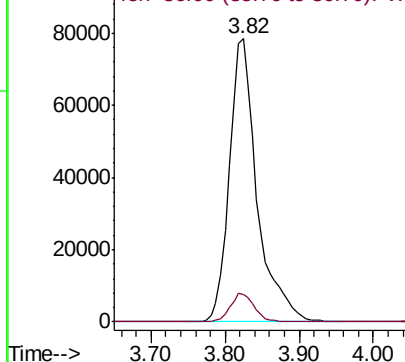
Lab File: VX007920.D

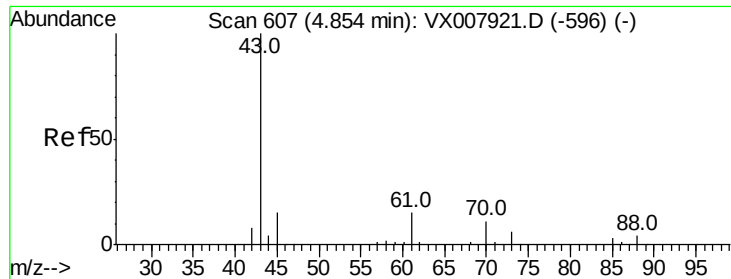
Acq: 08 Mar 2019 09:54

Tgt Ion:	43	Resp:	205270
Ion Ratio	Lower	Upper	
43	100		
86	8.8	8.2	12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 6.360 ug/l m

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24150

Ion Ratio Lower Upper

43 100

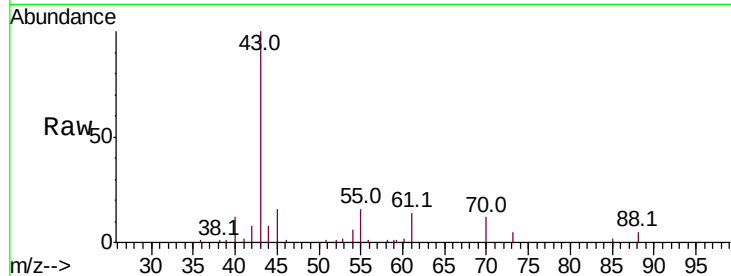
45 1.5 6.9 10.3#

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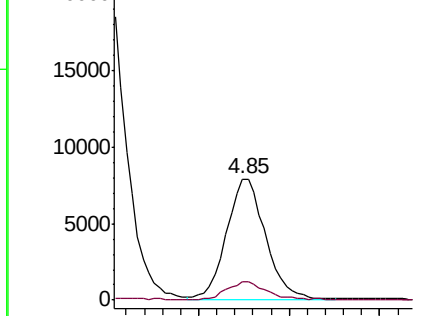
MMDadoda

3/11/2019 9:30:42 AM

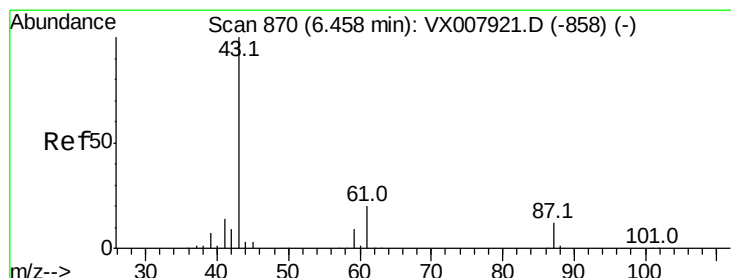
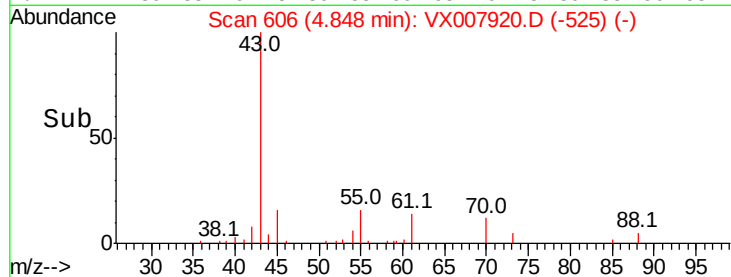


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#44

Isopropyl Acetate

Concen: 5.798 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007920.D

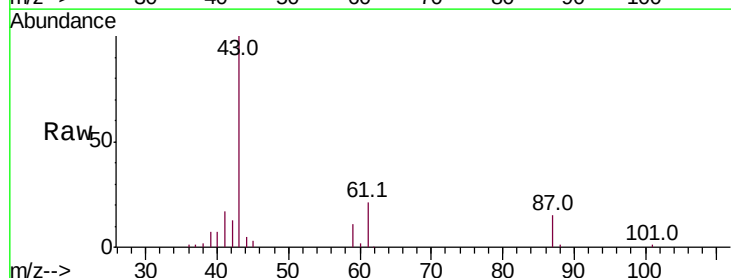
Acq: 08 Mar 2019 09:54

Tgt Ion: 43 Resp: 33991

Ion Ratio Lower Upper

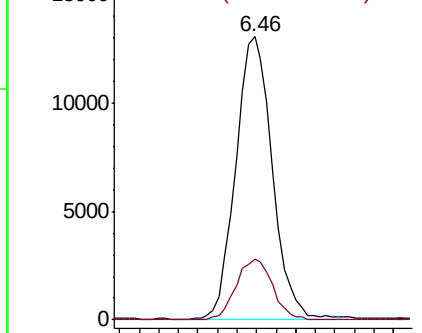
43 100

61 21.2 16.1 24.1

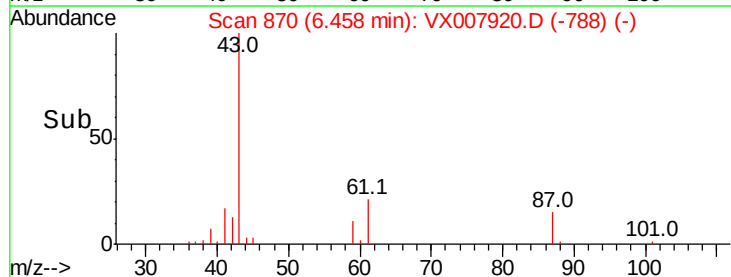


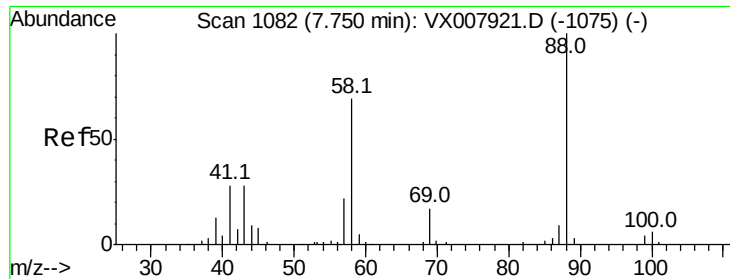
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#45

1,4-Dioxane

Concen: 104.449 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

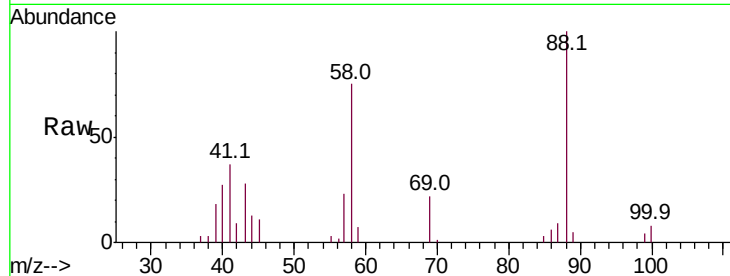
ClientSampleId :

VSTDIC005

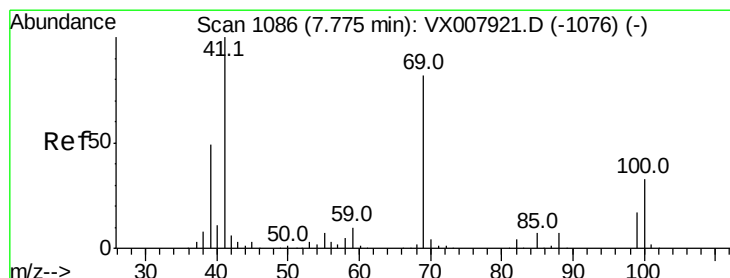
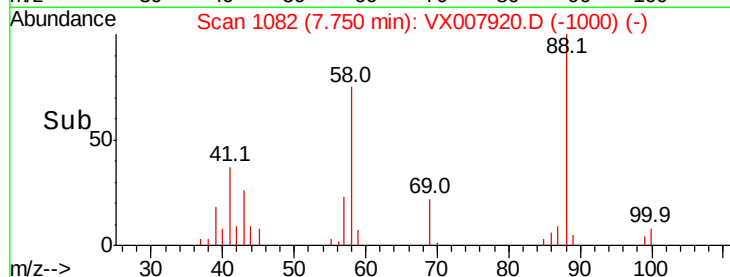
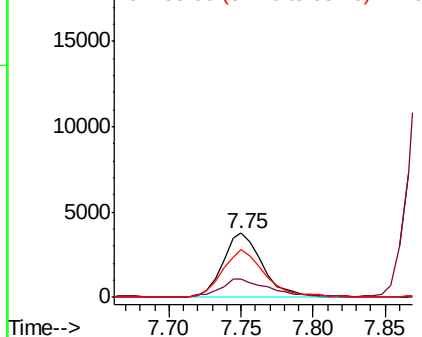
Tot Ion:	88	Resp:	7227
Ion	Ratio	Lower	Upper
88	100		
43	35.8	23.6	35.4#
58	77.7	51.6	77.4#

Manual Integrations
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3/11/2019 9:30:42 AM



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 6.108 ug/l

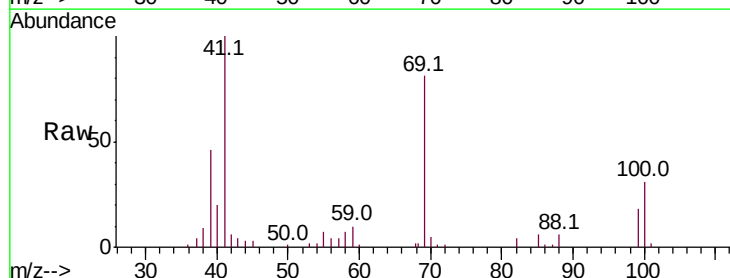
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

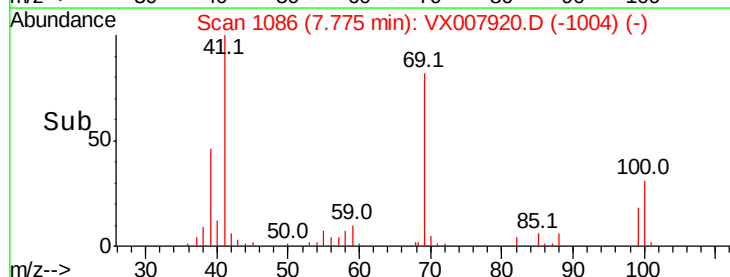
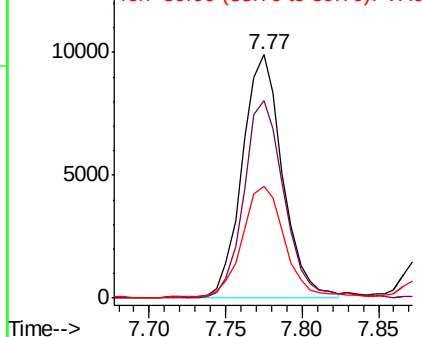
Lab File: VX007920.D

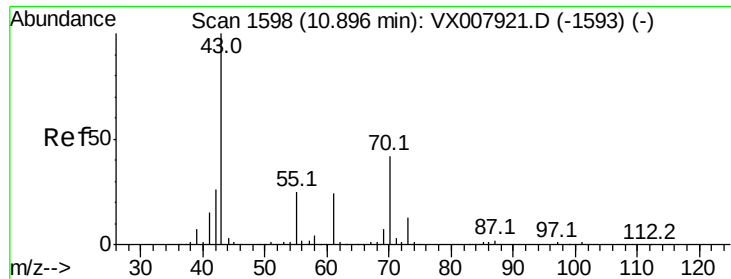
Acq: 08 Mar 2019 09:54

Tgt Ion:	41	Resp:	18132
Ion	Ratio	Lower	Upper
41	100		
69	81.3	44.2	132.6
39	45.0	29.9	89.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 5.635 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 29121

Ion Ratio Lower Upper

43 100

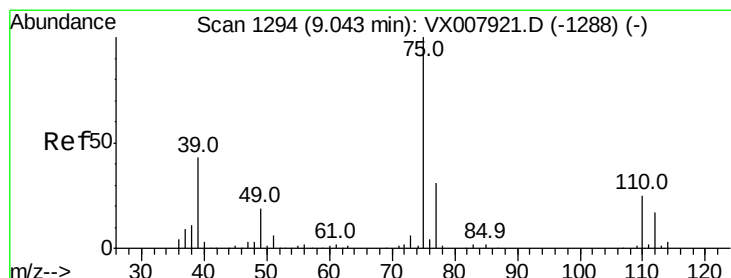
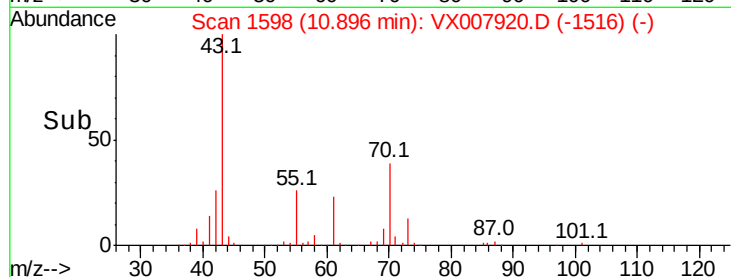
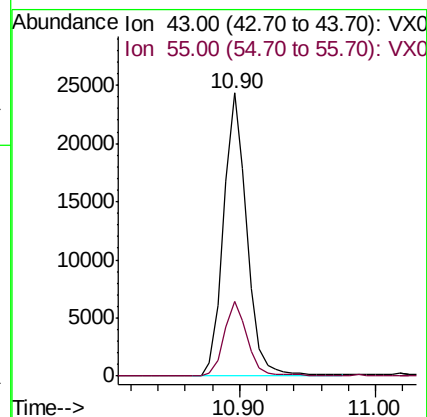
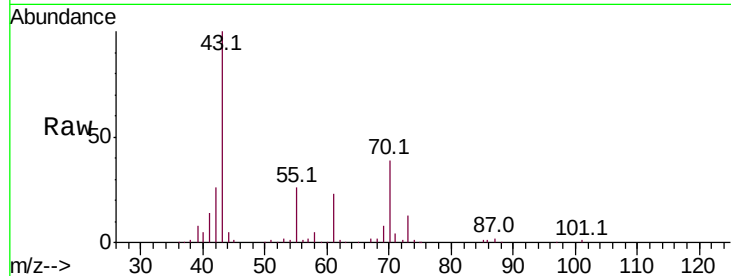
55 26.5 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:42 AM



#48

t-1,3-Dichloropropene

Concen: 4.967 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007920.D

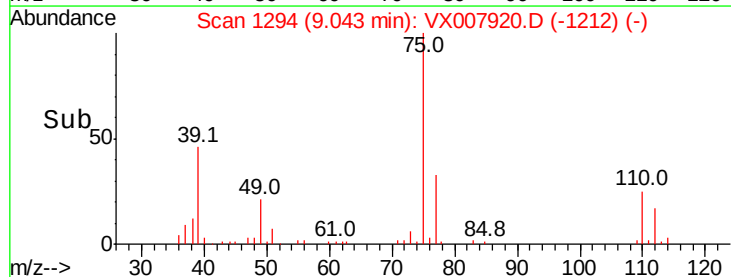
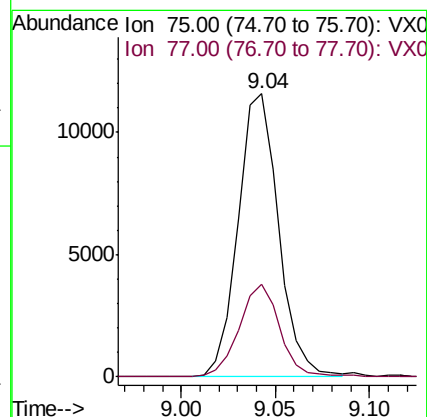
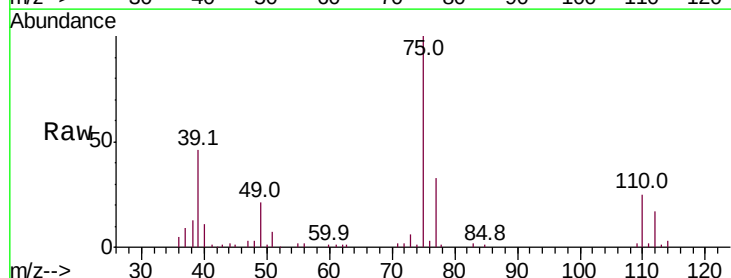
Acq: 08 Mar 2019 09:54

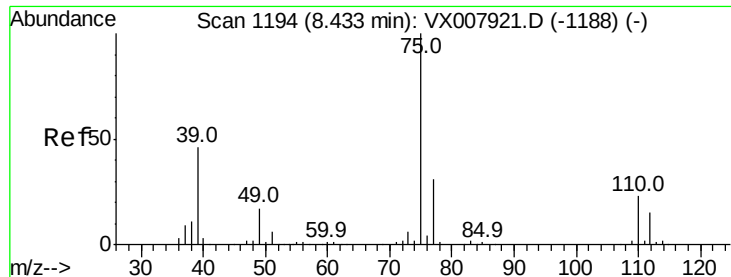
Tgt Ion: 75 Resp: 17265

Ion Ratio Lower Upper

75 100

77 32.8 24.5 36.7





#49

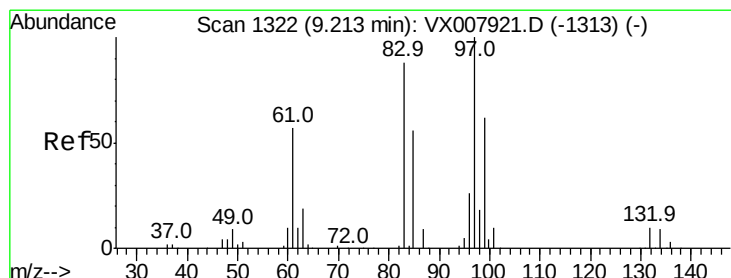
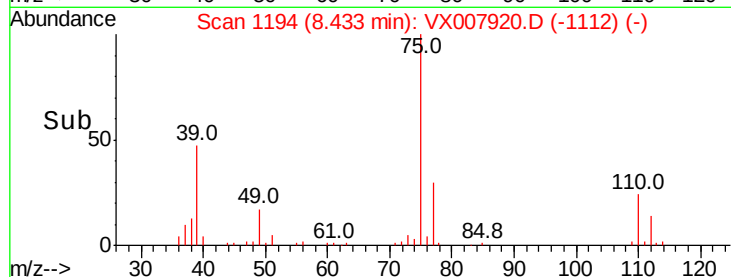
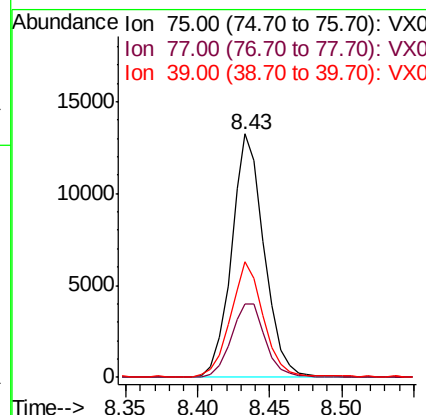
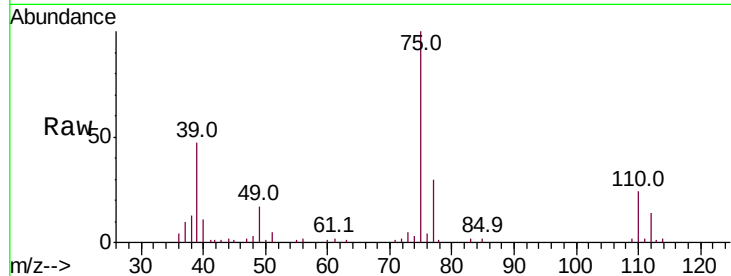
cis-1,3-Dichloropropene
Concen: 5.412 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.0	37.4
39	47.4	38.5	57.7

Manual Integrations
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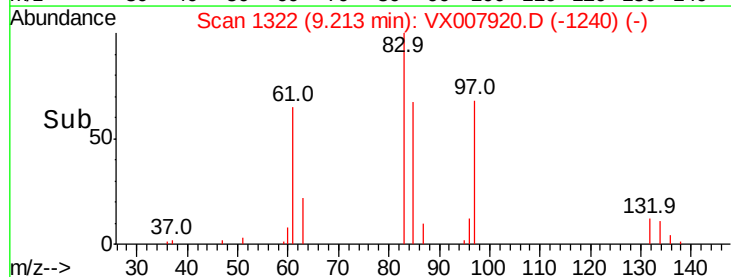
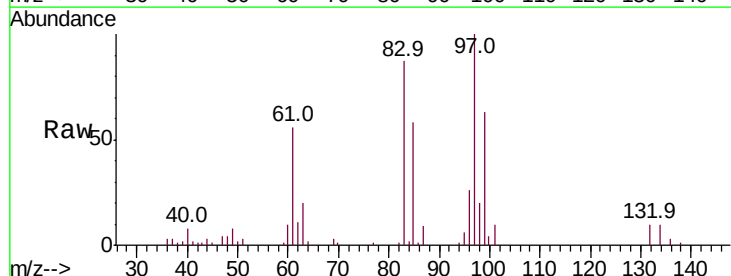
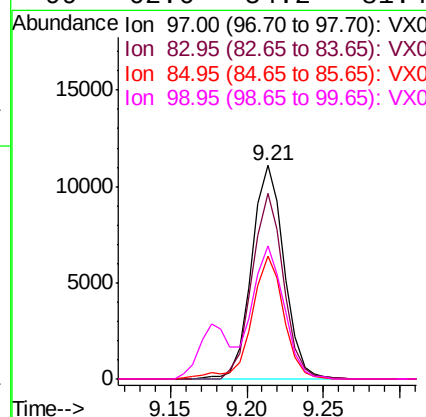
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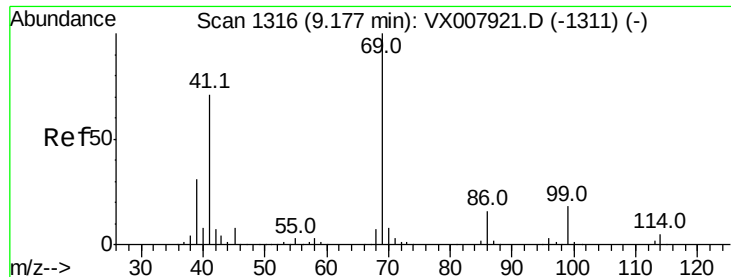


#50

1,1,2-Trichloroethane
Concen: 5.917 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.8	72.0	108.0
85	57.8	45.0	67.6
99	62.6	54.2	81.4





#51

Ethyl methacrylate

Concen: 5.519 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

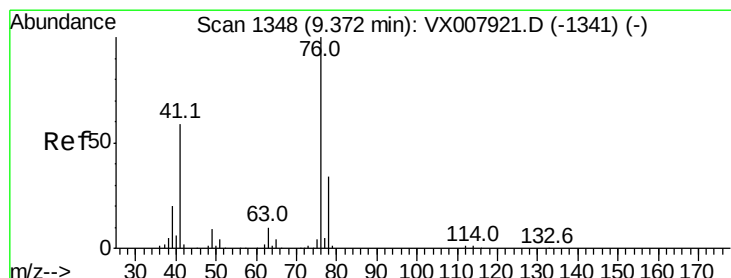
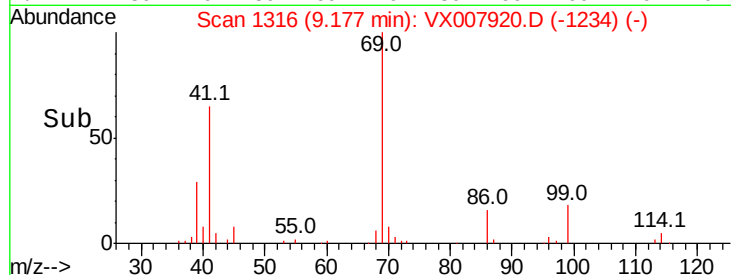
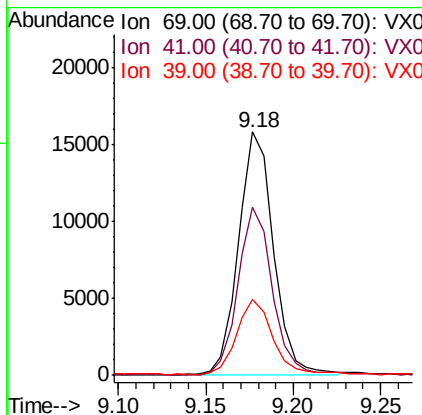
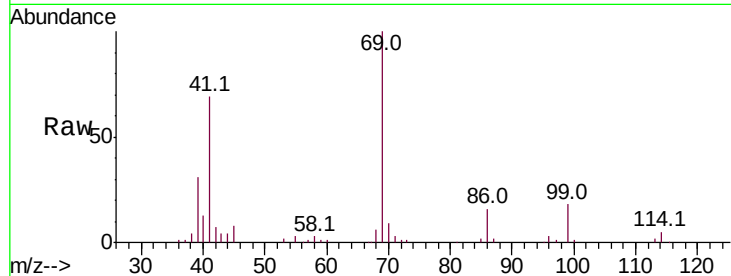
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	22135
Ion Ratio	Lower	Upper	
69	100		
41	68.4	32.1	96.5
39	31.0	18.8	56.3

Manual Integrations
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3/11/2019 9:30:42 AM



#52

1,3-Dichloropropane

Concen: 5.846 ug/l

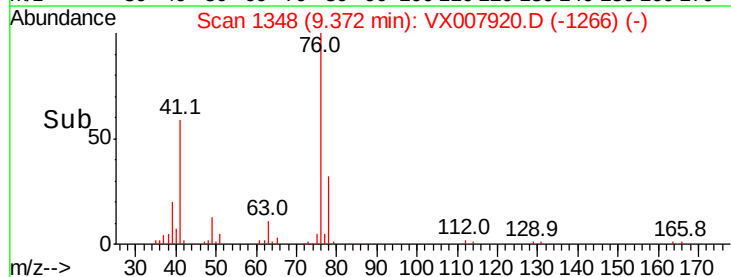
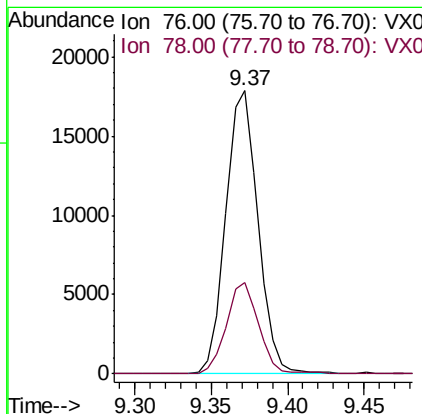
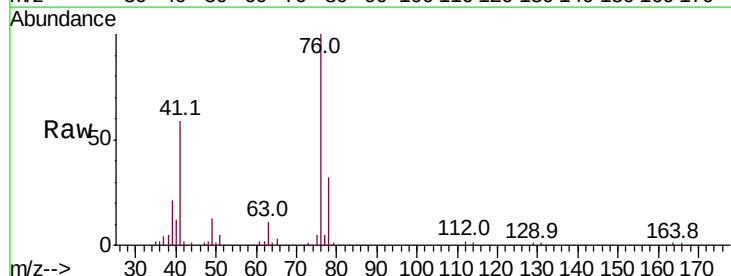
RT: 9.37 min Scan# 1348

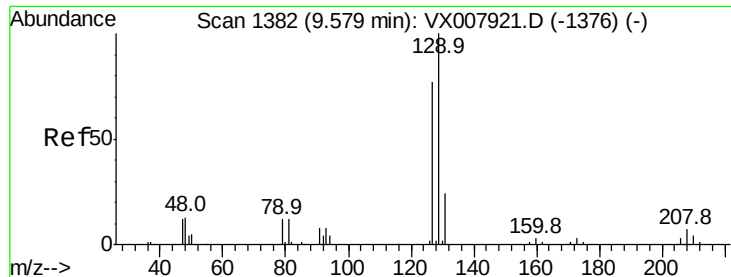
Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	76	Resp:	26088
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	65.2





#53

Dibromochloromethane

Concen: 5.068 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 14584

Ion Ratio Lower Upper

129 100

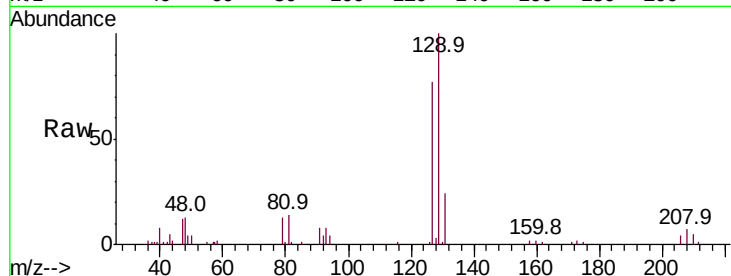
127 77.3 38.4 115.2

Manual Integrations

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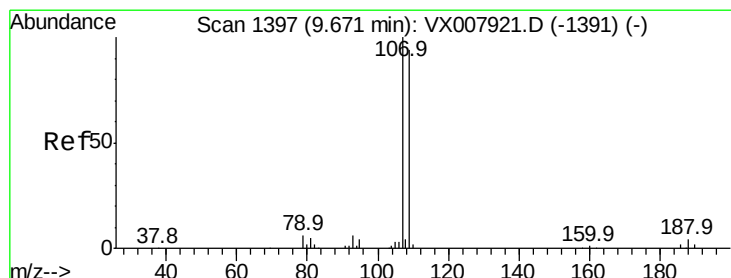
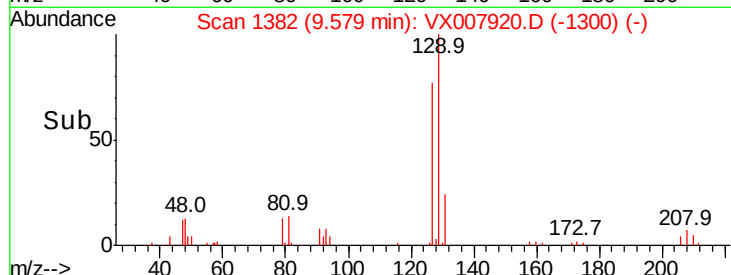
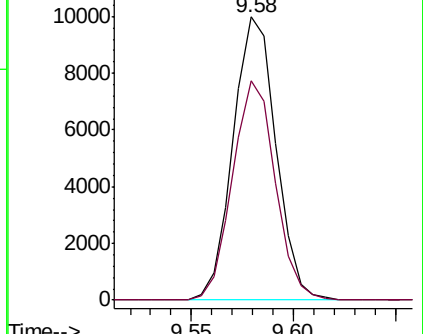
MMDadoda

3/11/2019 9:30:42 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.282 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007920.D

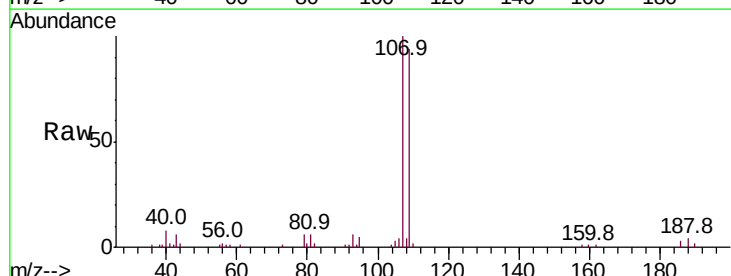
Acq: 08 Mar 2019 09:54

Tgt Ion:107 Resp: 16002

Ion Ratio Lower Upper

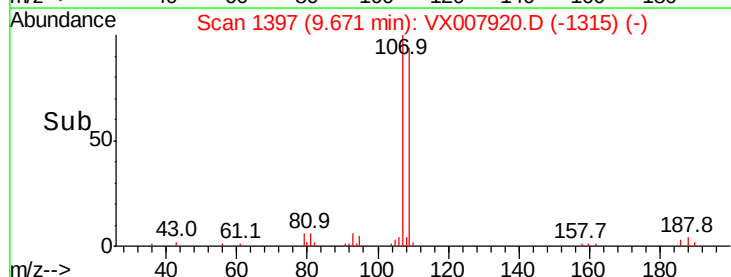
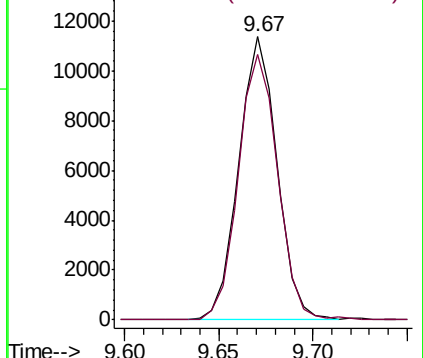
107 100

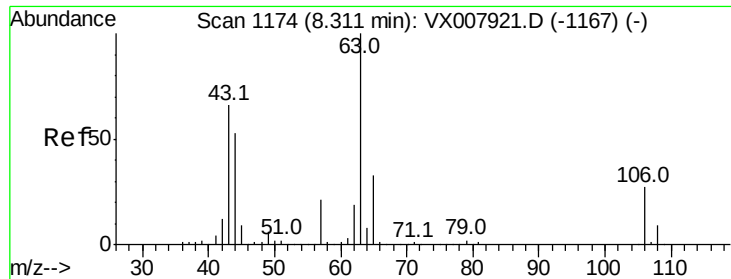
109 96.0 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





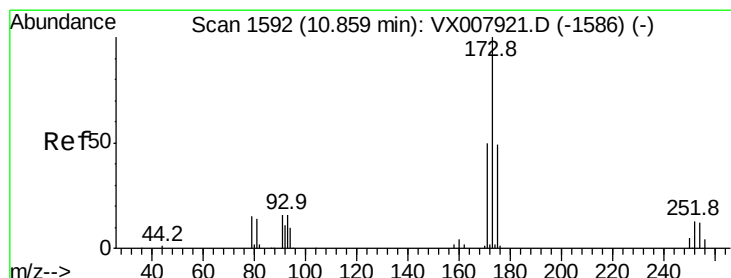
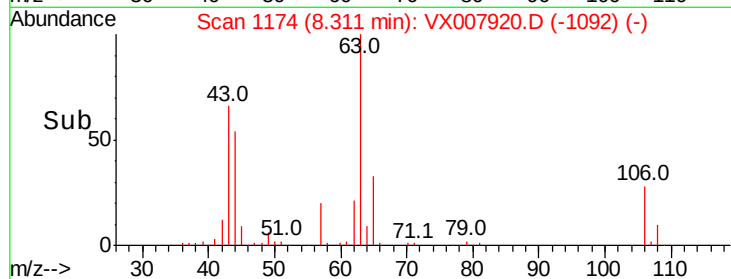
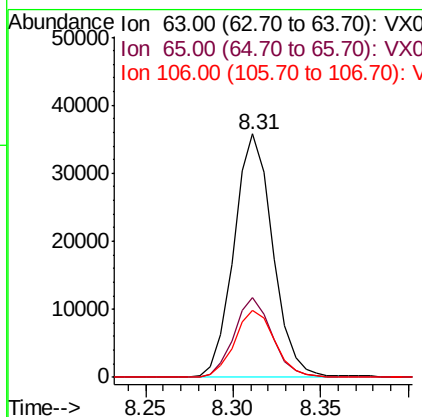
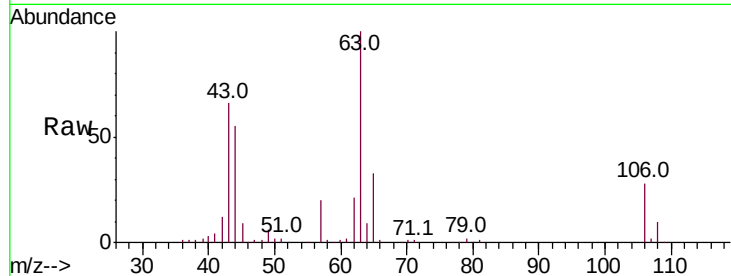
#55
2-Chloroethyl vinyl ether
Concen: 27.109 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.7	38.5
106	28.3	23.7	35.5

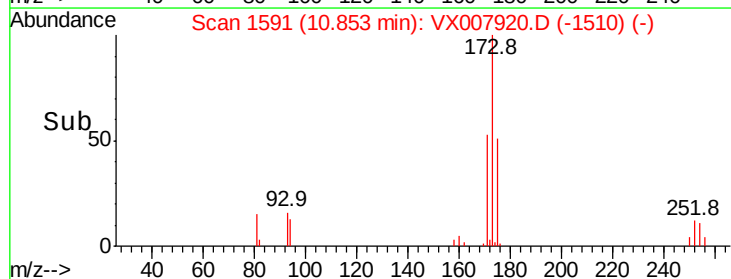
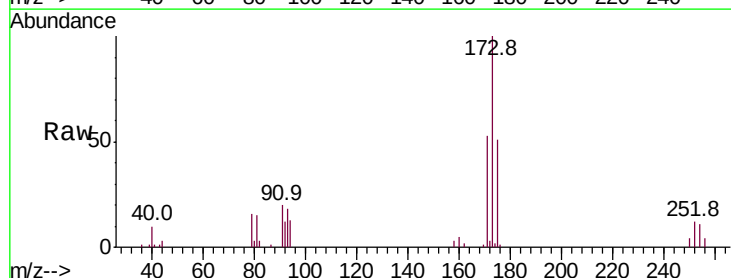
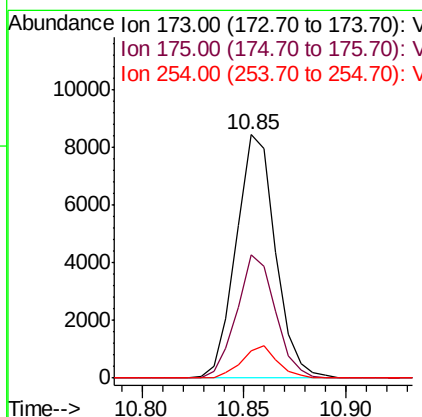
Manual Integrations
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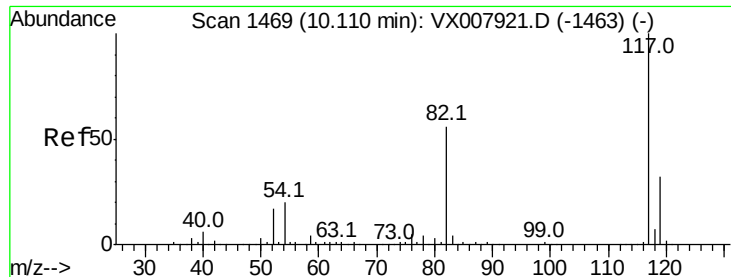
MMDadoda
3/11/2019 9:30:42 AM



#56
Bromoform
Concen: 5.209 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.5	57.7
254	12.0	7.4	11.2





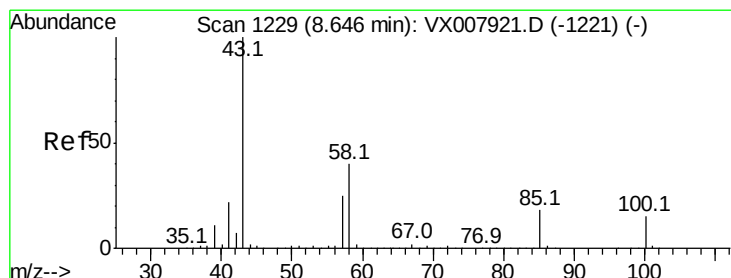
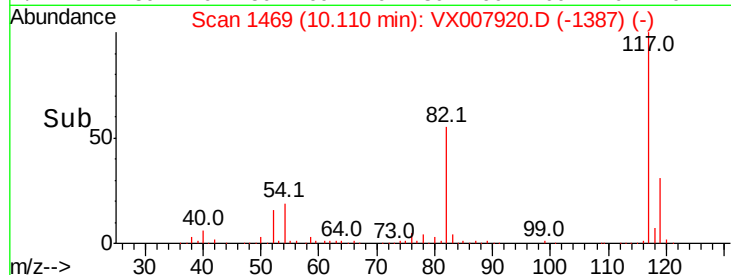
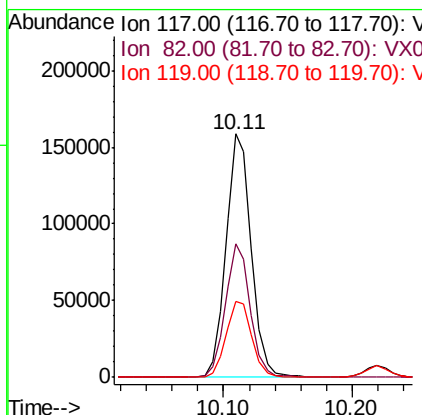
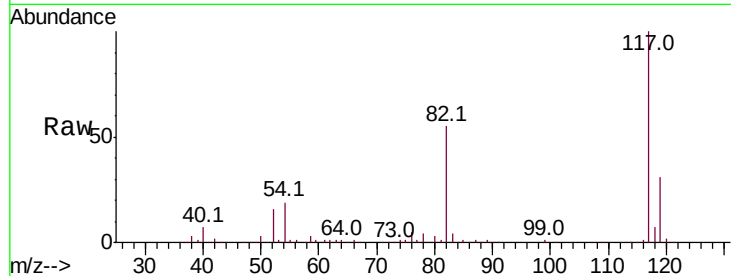
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	40.4	60.6
119	32.1	25.8	38.6

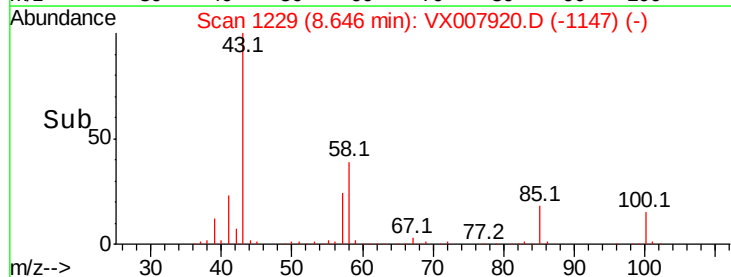
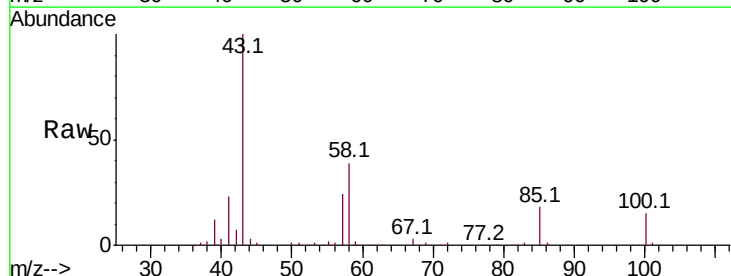
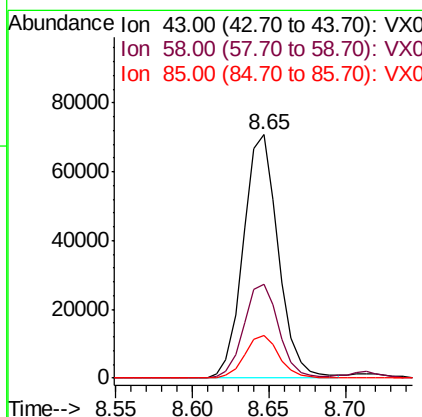
Manual Integrations
APPROVED

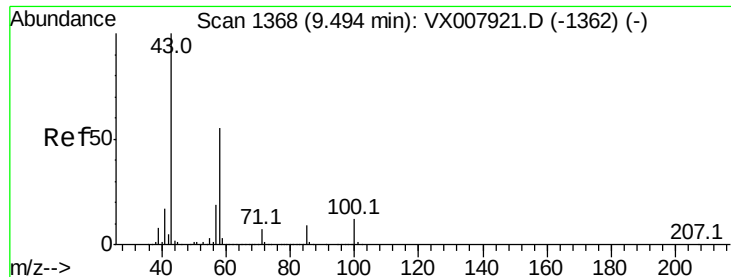
MMDadoda
3/11/2019 9:30:42 AM



#58
4-Methyl-2-Pentanone
Concen: 28.431 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.4	47.0
85	17.5	15.0	22.6





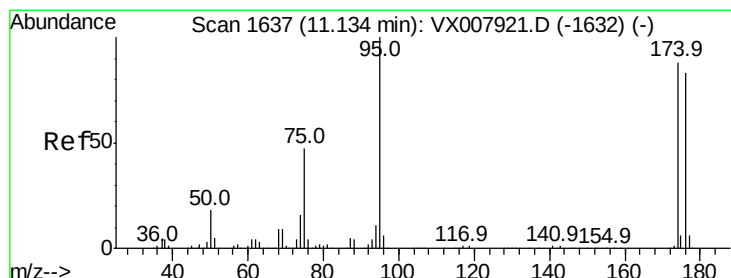
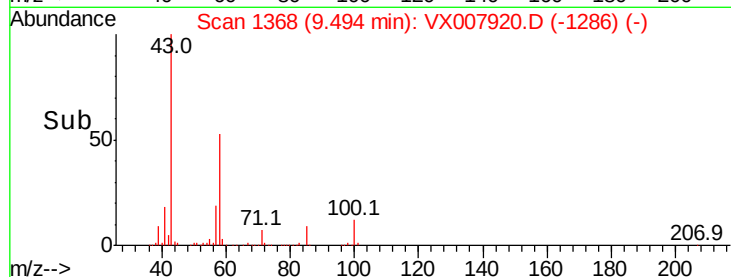
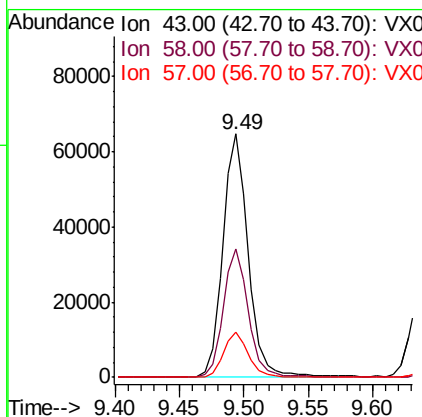
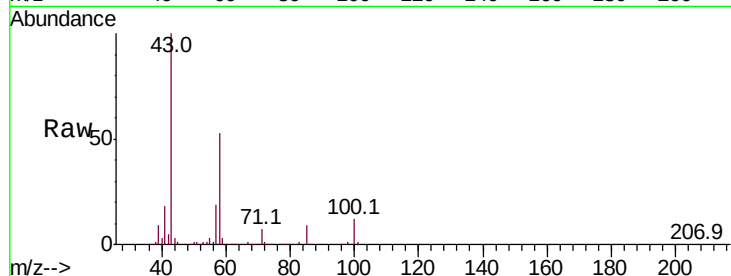
#59
2-Hexanone
Concen: 29.966 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	43.9	65.9
57	18.4	14.9	22.3

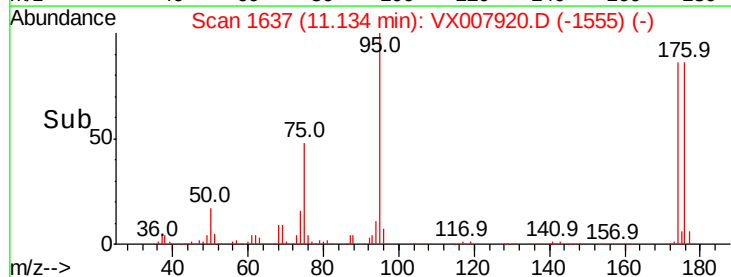
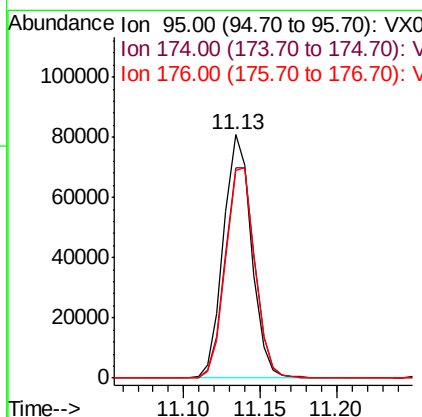
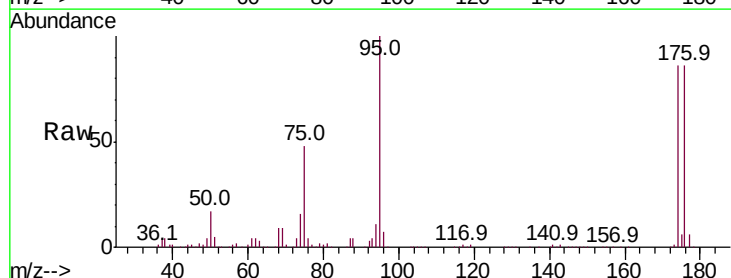
Manual Integrations
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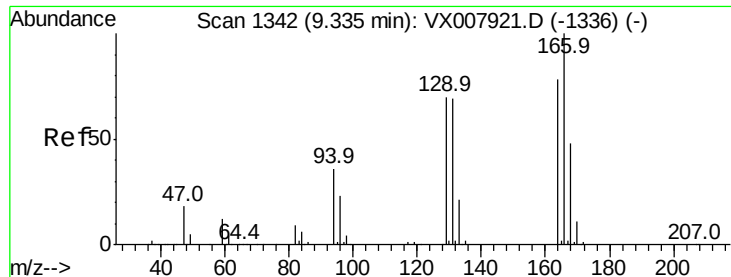
MMDadoda
3/11/2019 9:30:42 AM



#60
4-Bromofluorobenzene
Concen: 30.847 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	74.9	112.3
176	89.6	70.7	106.1





#61

Tetrachloroethene

Concen: 5.725 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 17749

Ion Ratio Lower Upper

164 100

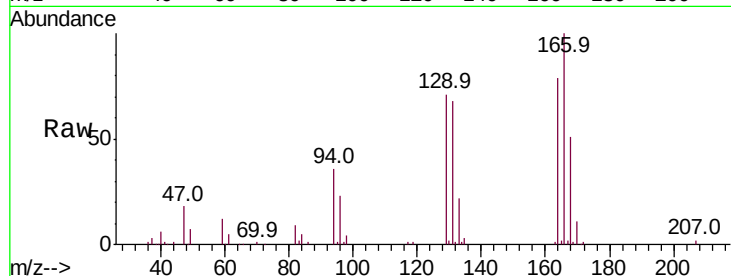
166 126.1 103.9 155.9

129 89.8 74.7 112.1

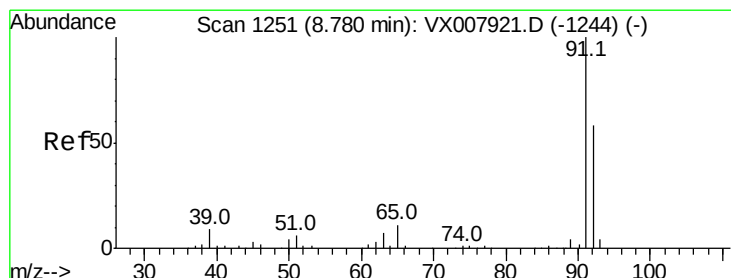
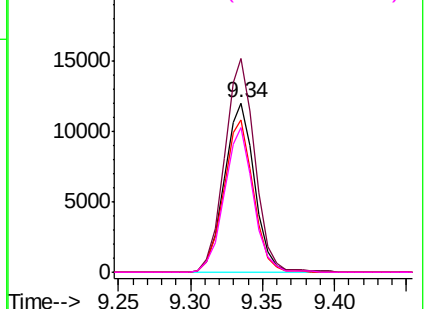
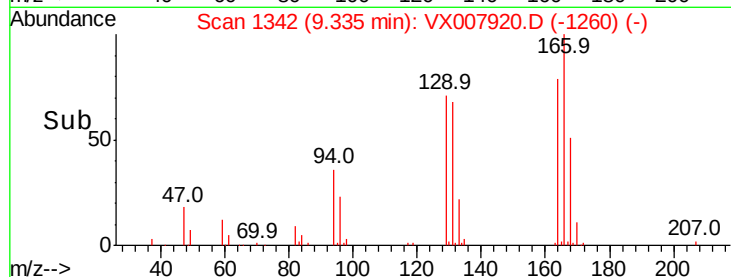
131 85.4 71.7 107.5

Manual Integrations
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3/11/2019 9:30:42 AM



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.573 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007920.D

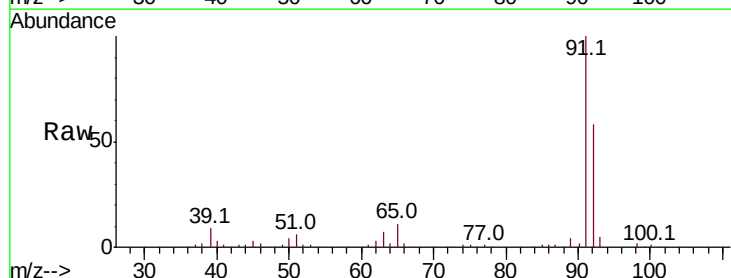
Acq: 08 Mar 2019 09:54

Tgt Ion: 91 Resp: 66283

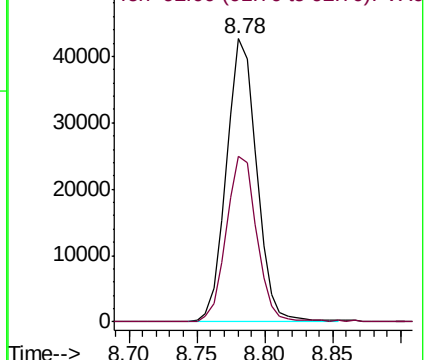
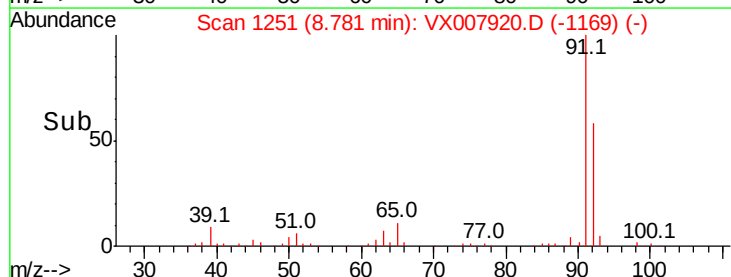
Ion Ratio Lower Upper

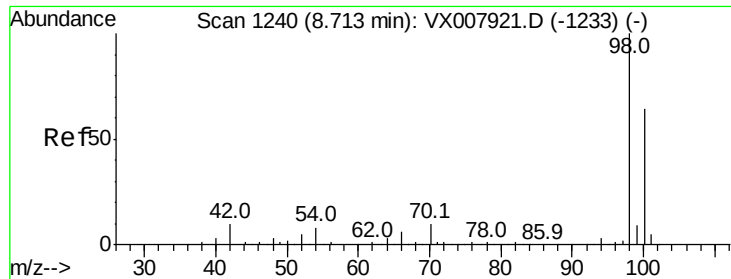
91 100

92 58.7 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





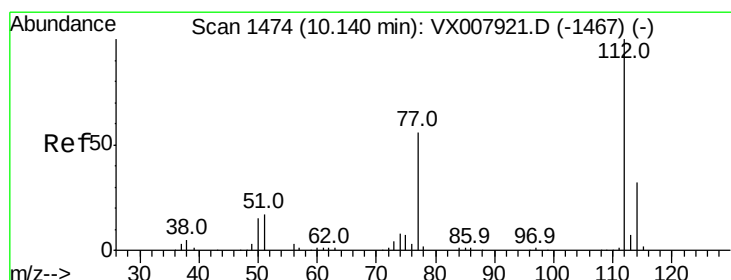
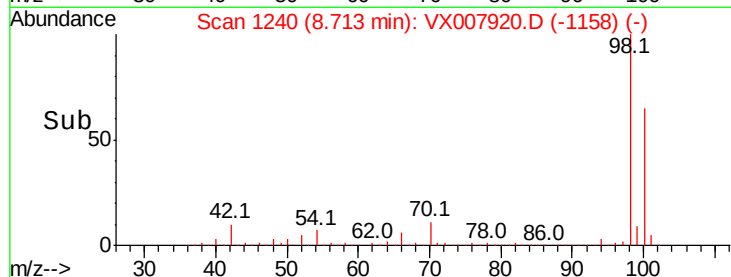
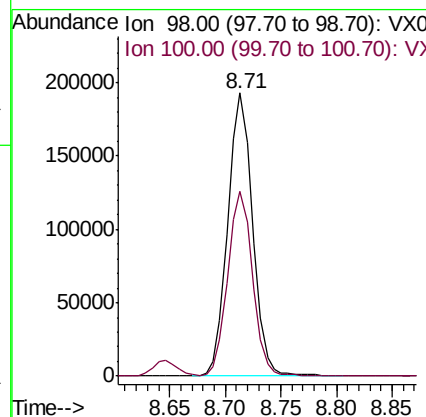
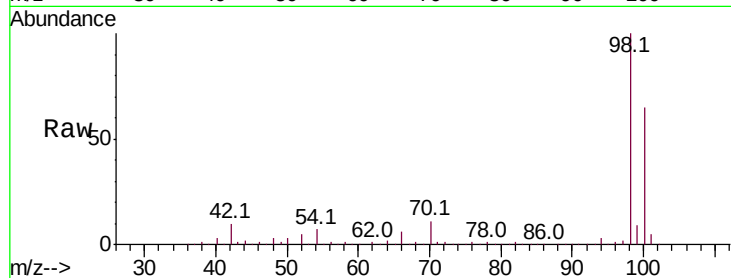
#63
Toluene-d8
Concen: 30.210 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
98	100		
100	65.8	50.9	76.3

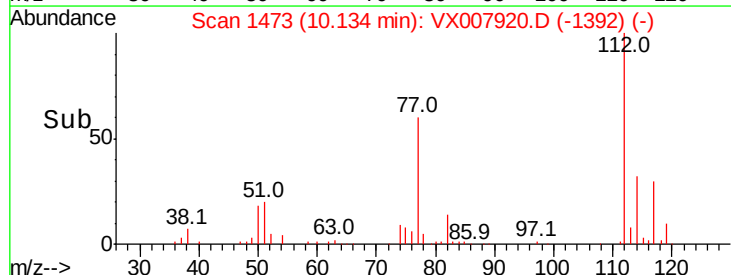
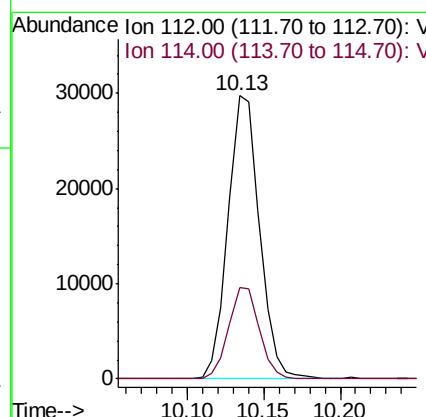
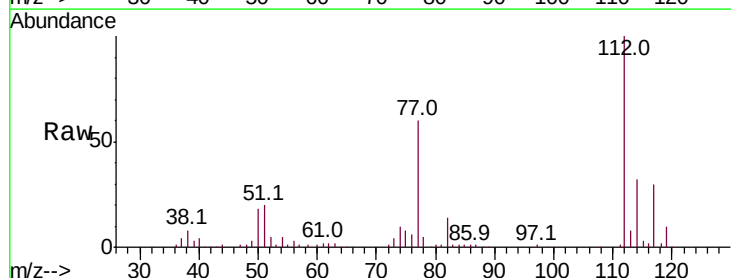
Manual Integrations
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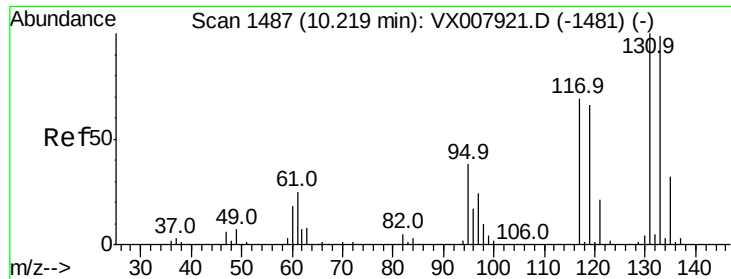
MMDadoda
3/11/2019 9:30:42 AM



#64
Chlorobenzene
Concen: 5.507 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 5.091 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

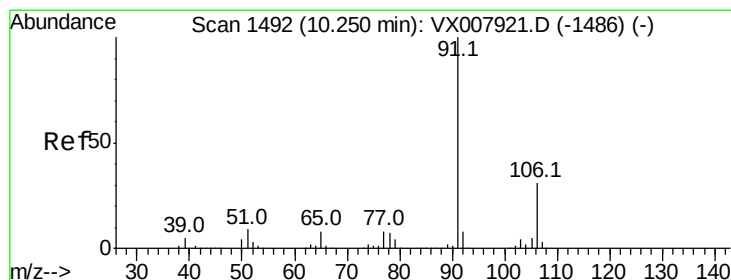
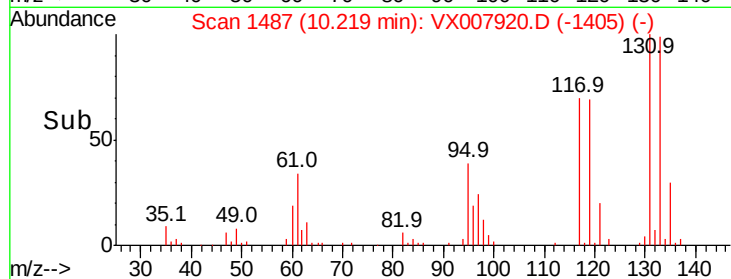
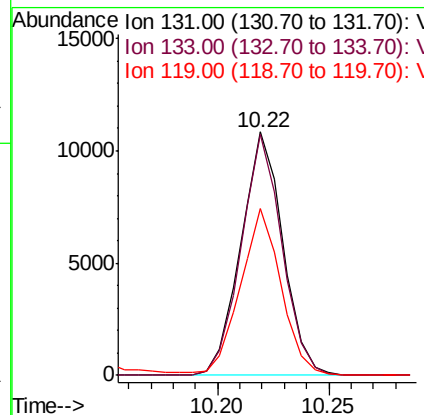
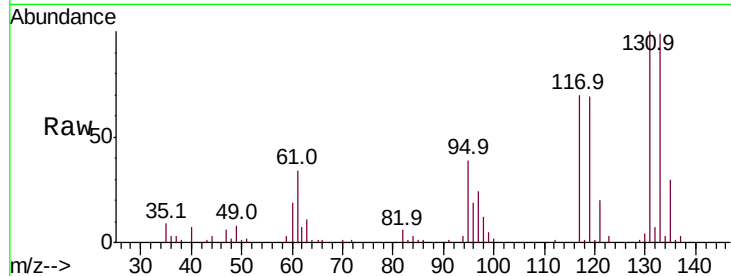
ClientSampled :

VSTDIC005

Tot Ion:	131	Resp:	14253
Ion	Ratio	Lower	Upper
131	100		
133	96.3	0.0	191.6
119	66.9	0.0	127.4

Manual Integrations
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MMDadoda
3/11/2019 9:30:42 AM



#66

Ethyl Benzene

Concen: 5.526 ug/l

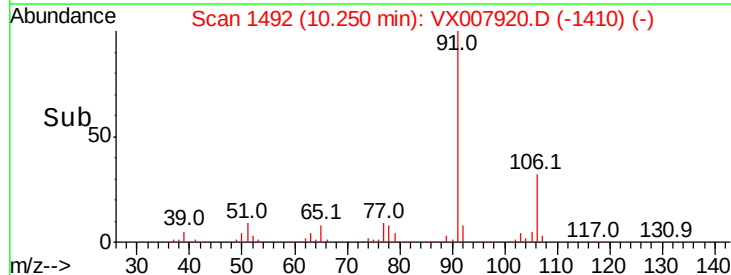
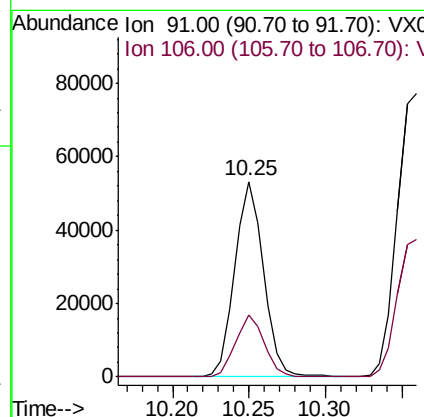
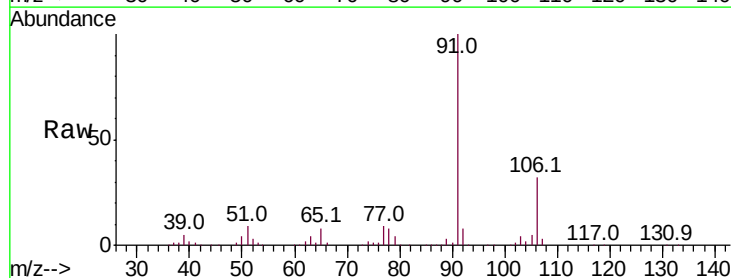
RT: 10.25 min Scan# 1492

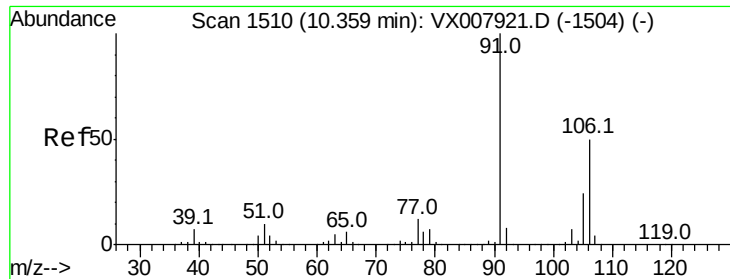
Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	91	Resp:	69740
Ion	Ratio	Lower	Upper
91	100		
106	31.7	26.0	39.0





#67

m/p-Xylenes

Concen: 10.730 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 53116

Ion Ratio Lower Upper

106 100

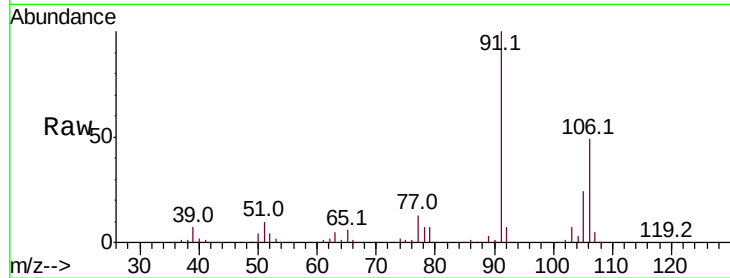
91 204.4 157.0 235.4

Manual Integrations

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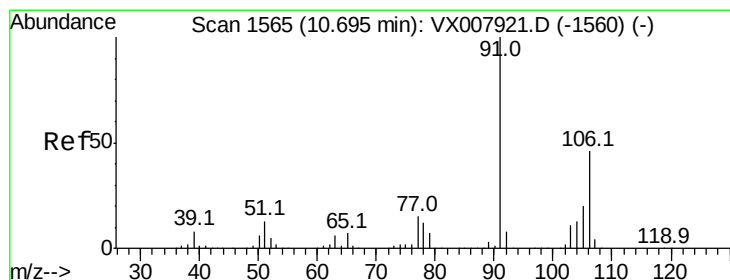
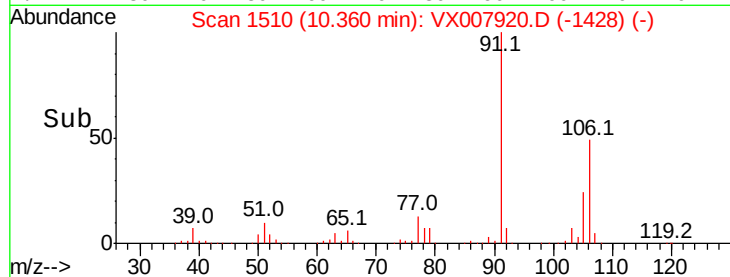
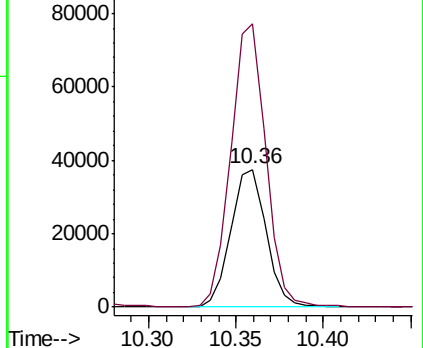
MMDadoda

3/11/2019 9:30:42 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 5.349 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX007920.D

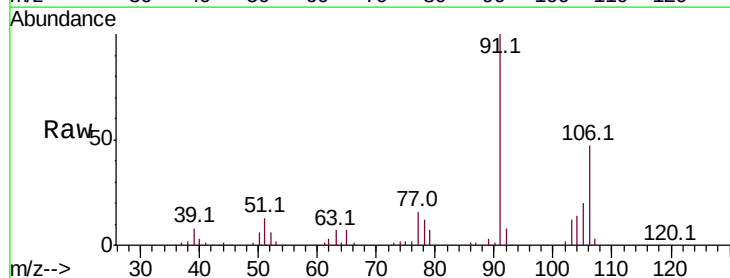
Acq: 08 Mar 2019 09:54

Tgt Ion:106 Resp: 25823

Ion Ratio Lower Upper

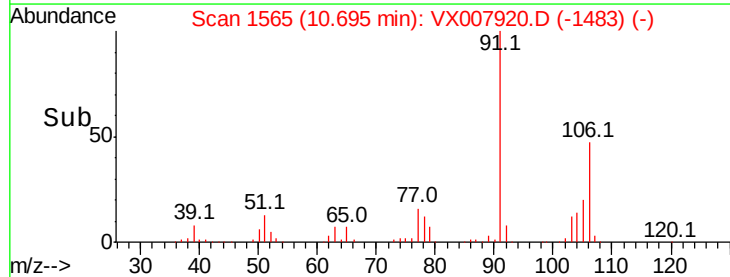
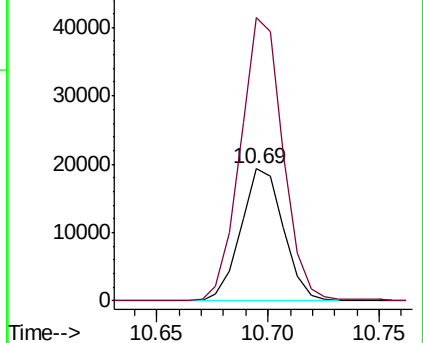
106 100

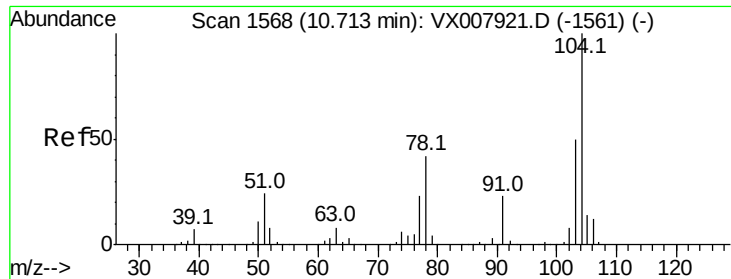
91 214.5 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





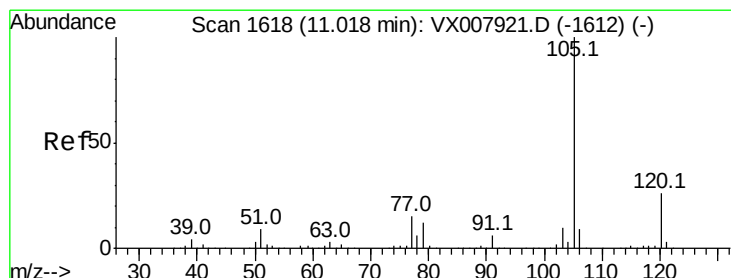
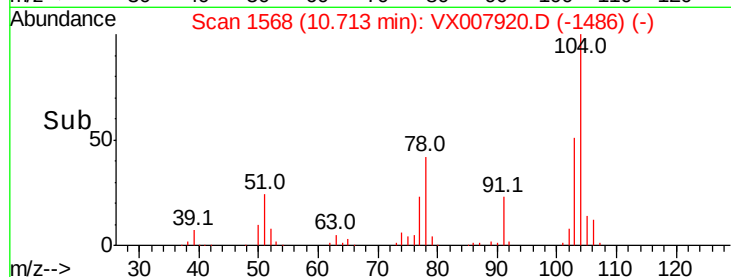
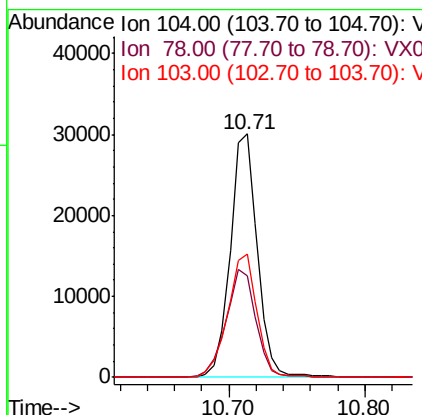
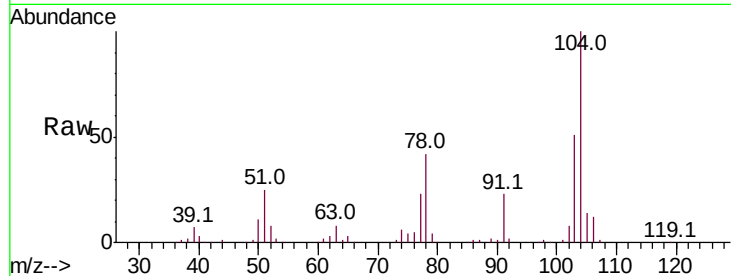
#69
Stvrene
Concen: 5.328 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.2	57.2
103	54.8	45.0	67.4

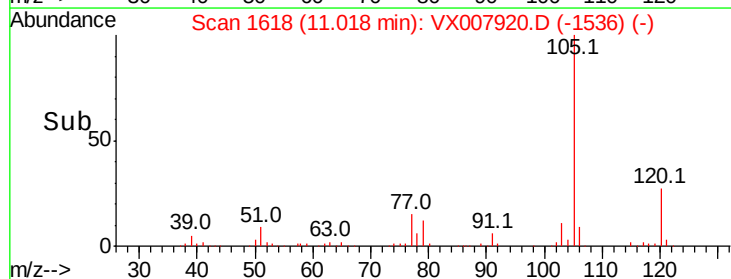
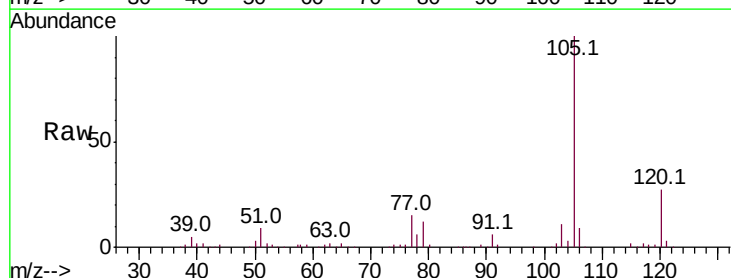
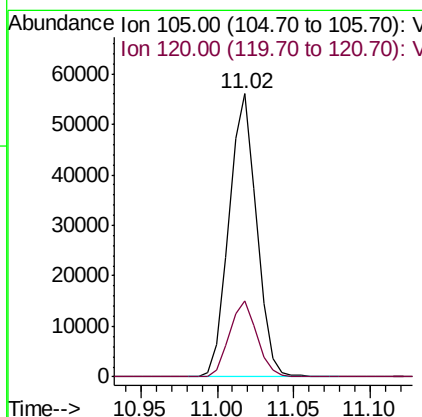
Manual Integrations
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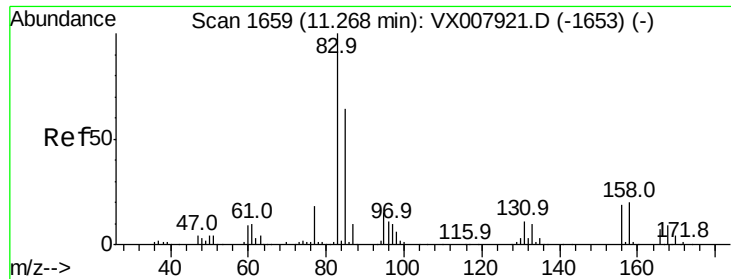
MMDadoda
3/11/2019 9:30:42 AM



#70
Isopropylbenzene
Concen: 5.518 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 5.647 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

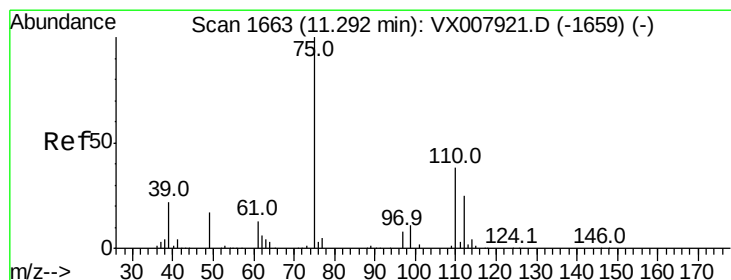
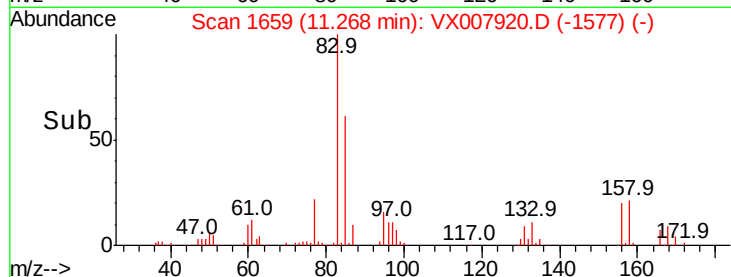
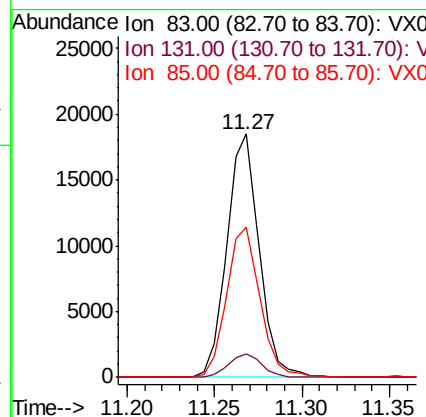
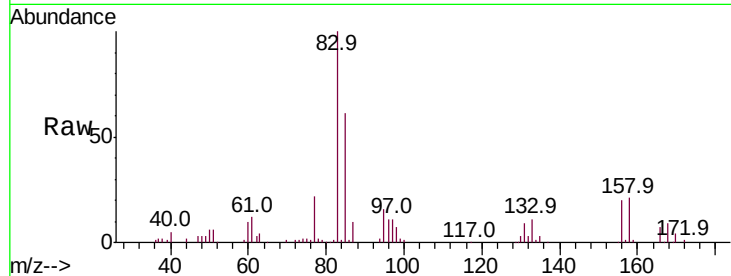
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23777
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.4	16.2
85	63.7	32.8	98.4

Manual Integrations
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MMDadoda
3/11/2019 9:30:42 AM



#72

1,2,3-Trichloropropane

Concen: 5.709 ug/l m

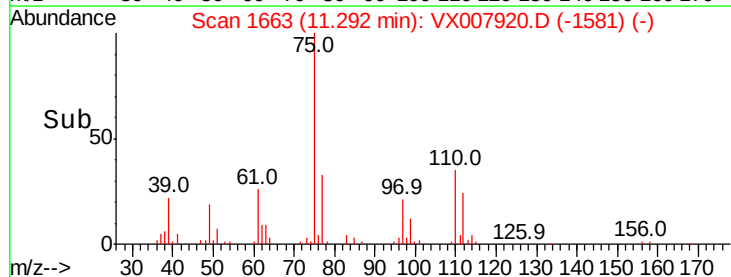
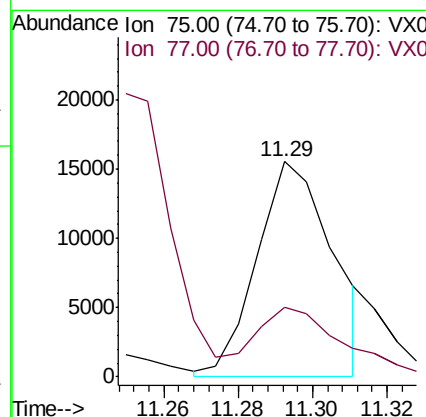
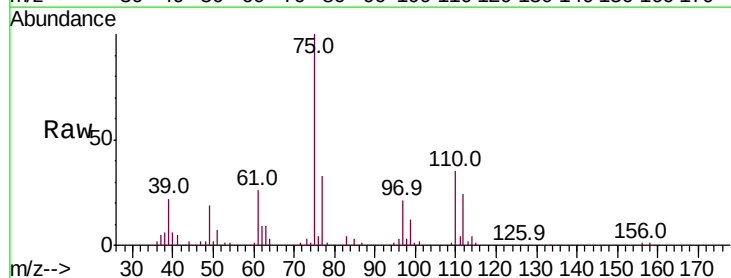
RT: 11.29 min Scan# 1663

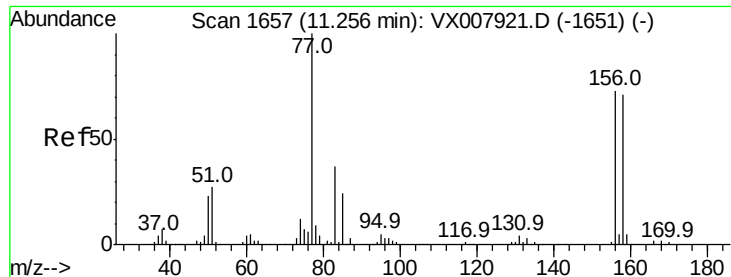
Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	75	Resp:	21977
Ion Ratio	Lower	Upper	
75	100		
77	38.5	0.0	76.4





#73

Bromobenzene

Concen: 5.442 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

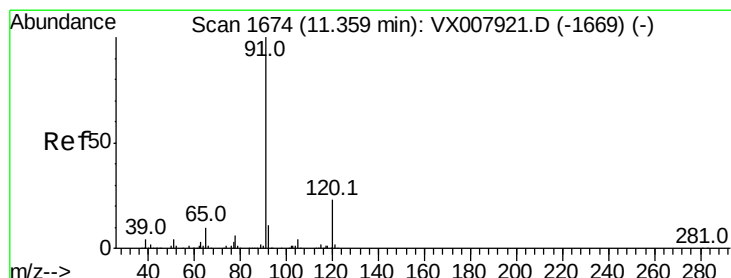
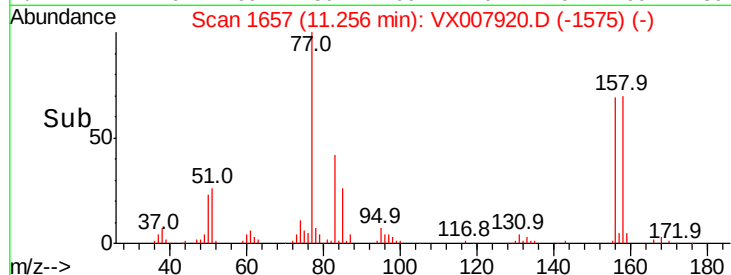
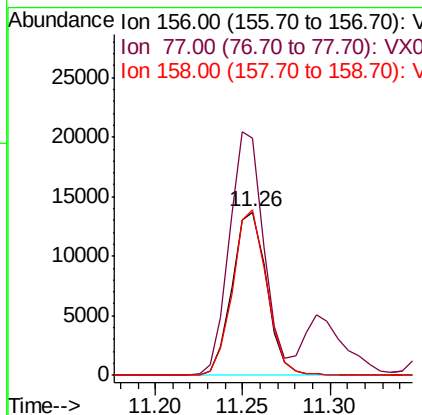
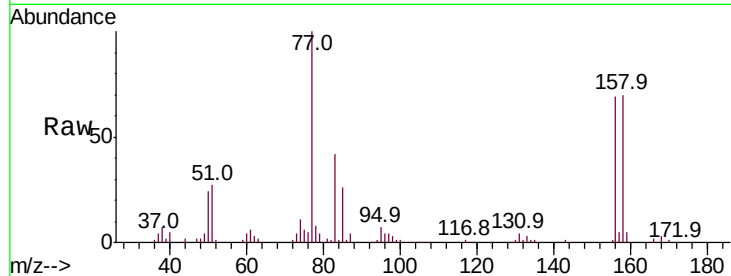
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	18926
Ion Ratio	Lower	Upper	
156	100		
77	147.3	0.0	271.4
158	99.2	0.0	194.0

Manual Integrations
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3/11/2019 9:30:42 AM



#74

n-propylbenzene

Concen: 5.560 ug/l

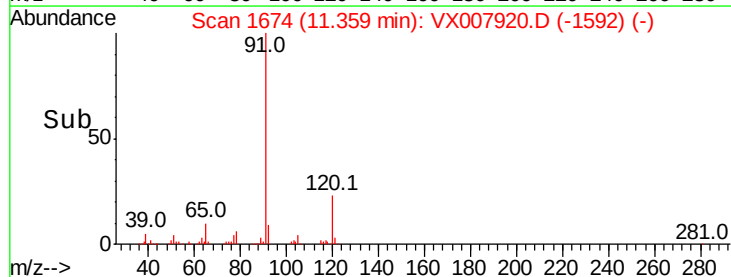
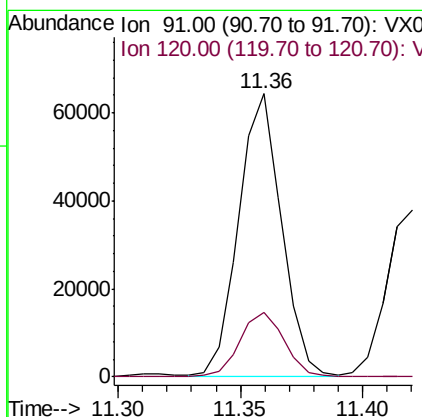
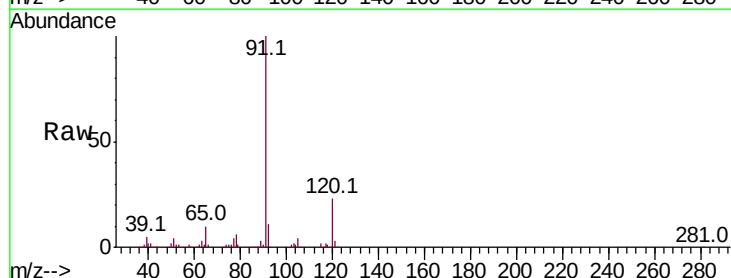
RT: 11.36 min Scan# 1674

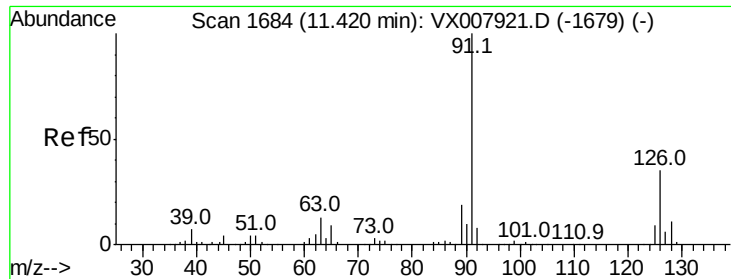
Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	91	Resp:	78635
Ion Ratio	Lower	Upper	
91	100		
120	23.5	0.0	48.6





#75

2-Chlorotoluene

Concen: 5.764 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48742

Ion Ratio Lower Upper

91 100

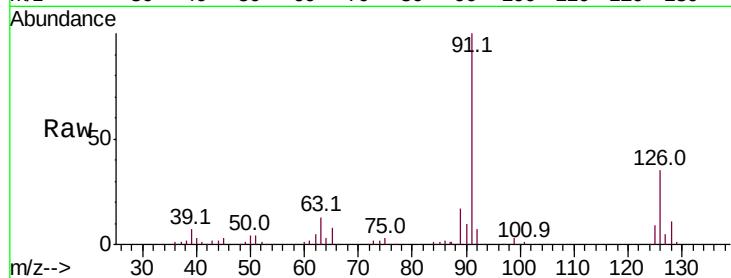
126 34.6 0.0 75.2

Manual Integrations

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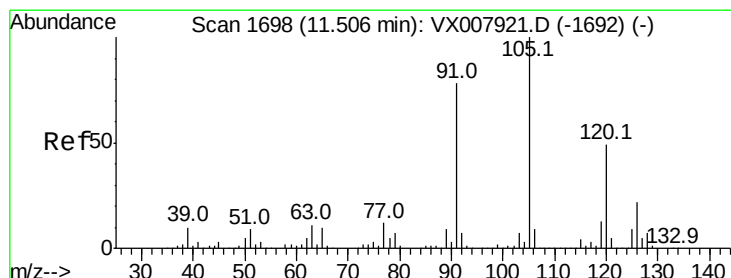
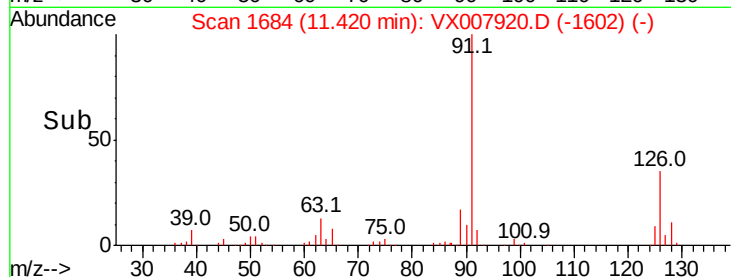
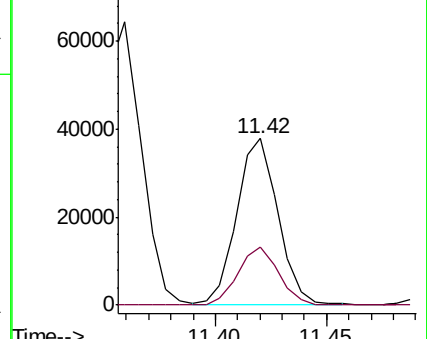
MMDadoda

3/11/2019 9:30:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007921.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.568 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007920.D

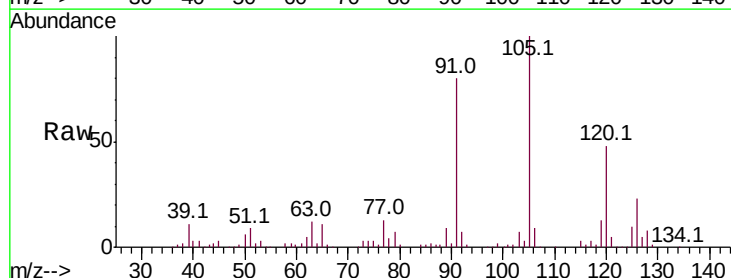
Acq: 08 Mar 2019 09:54

Tgt Ion: 105 Resp: 57895

Ion Ratio Lower Upper

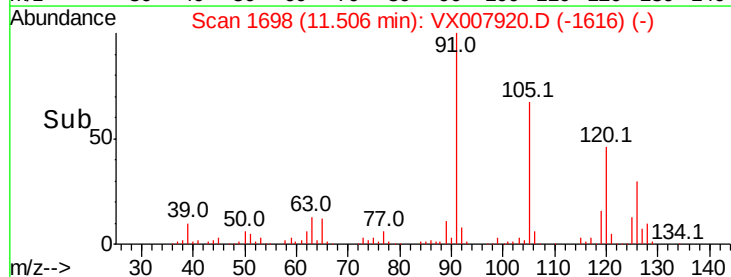
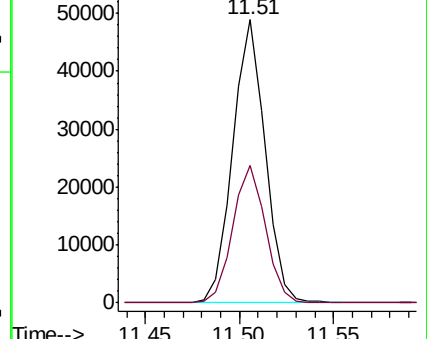
105 100

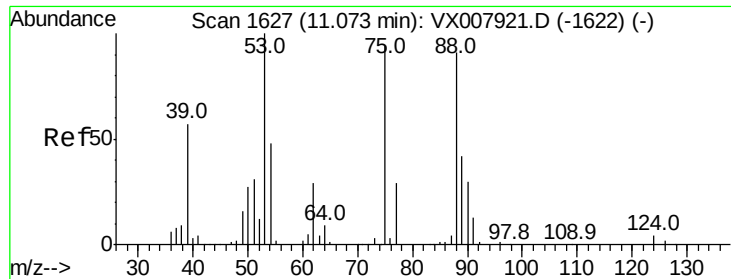
120 49.6 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007921.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007921.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.498 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 4998

Ion Ratio Lower Upper

75 100

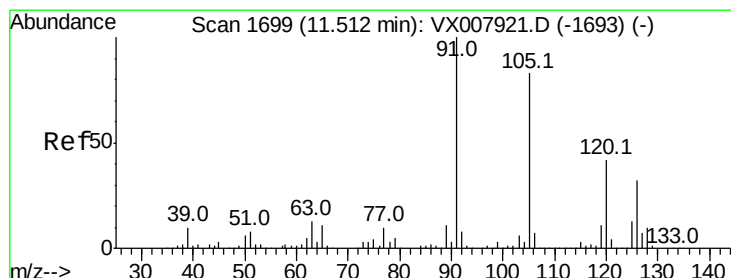
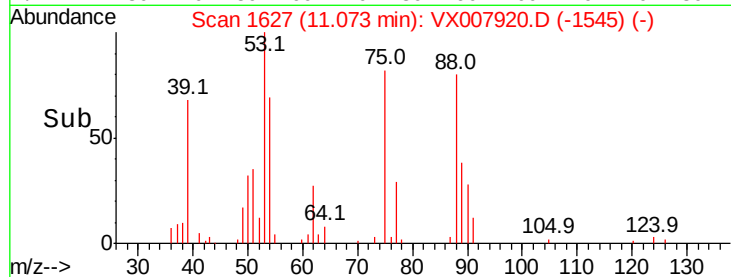
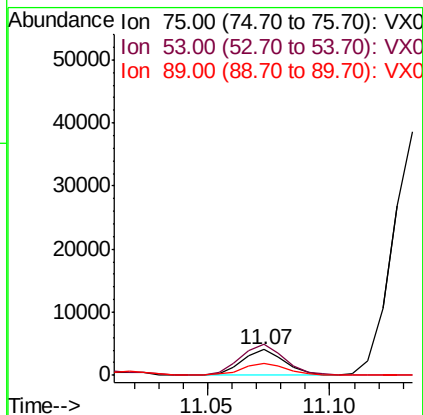
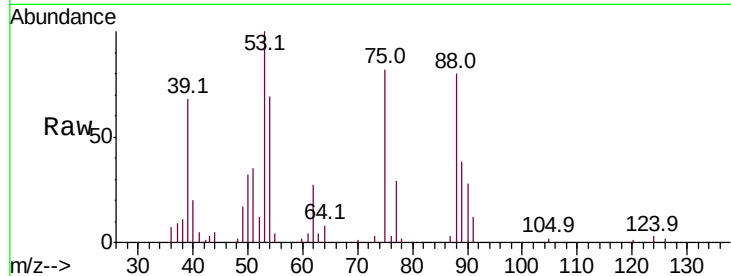
53 120.1 55.5 166.7

89 46.3 24.4 73.2

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#78

4-Chlorotoluene

Concen: 5.451 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007920.D

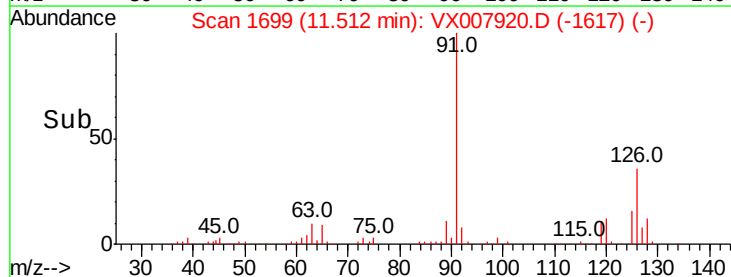
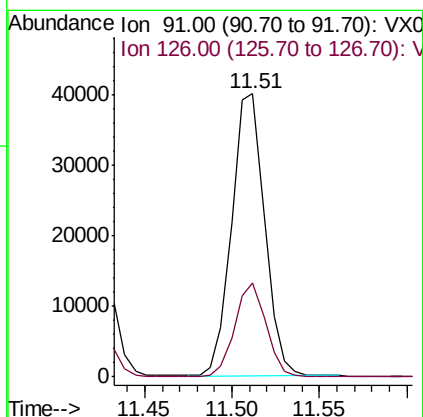
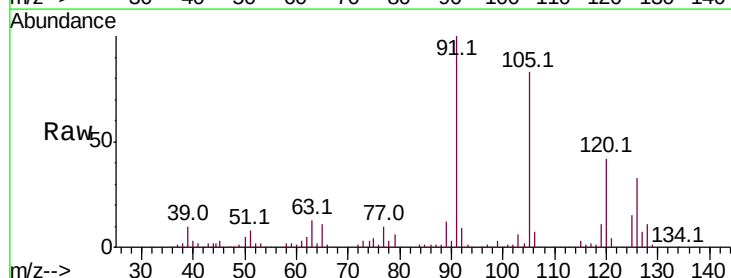
Acq: 08 Mar 2019 09:54

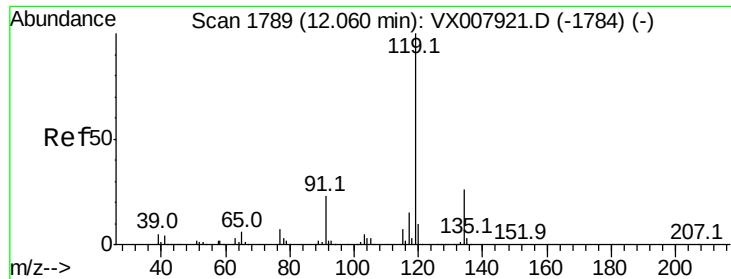
Tgt Ion: 91 Resp: 52614

Ion Ratio Lower Upper

91 100

126 31.3 0.0 66.2





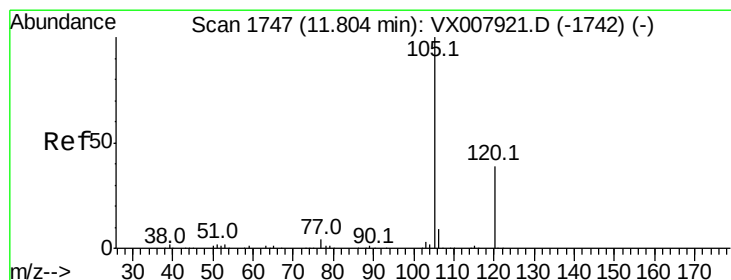
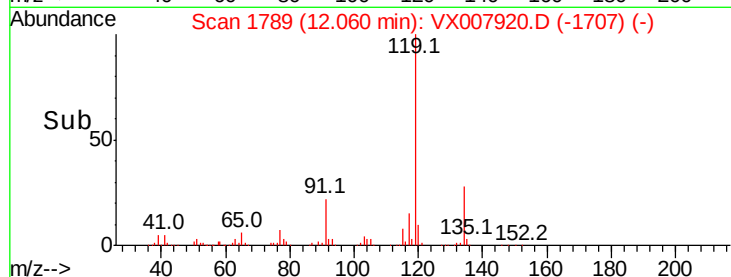
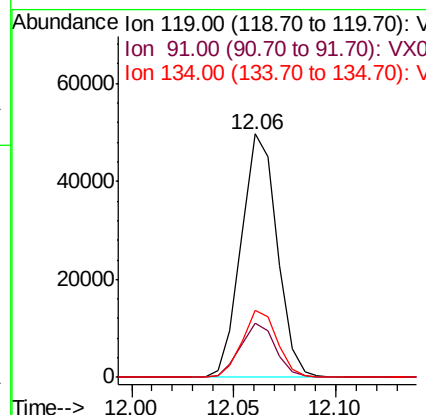
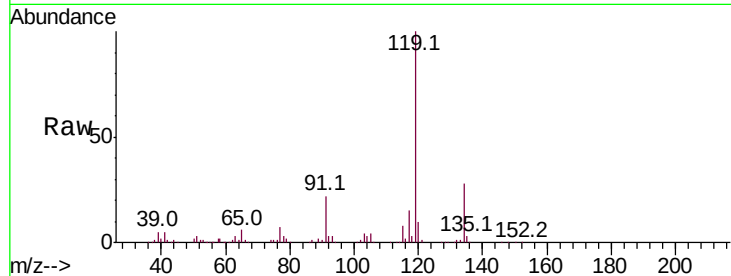
#79
tert-butylbenzene
Concen: 5.480 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	60504		
91	22.2	0.0	45.0	
134	27.1	0.0	55.4	

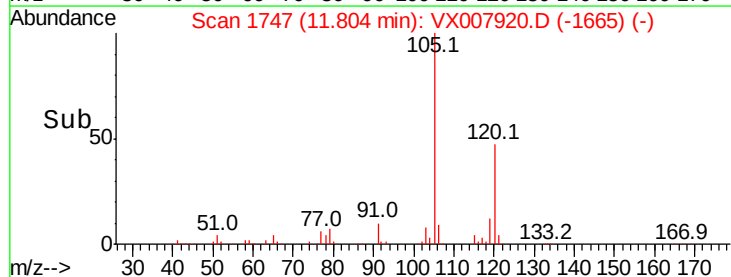
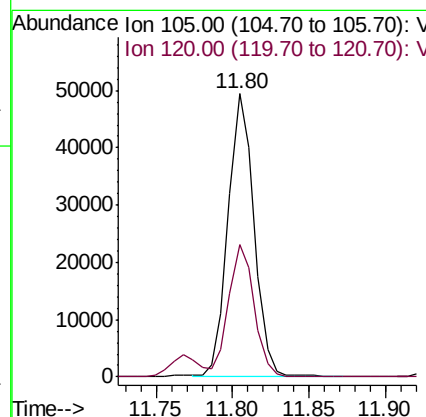
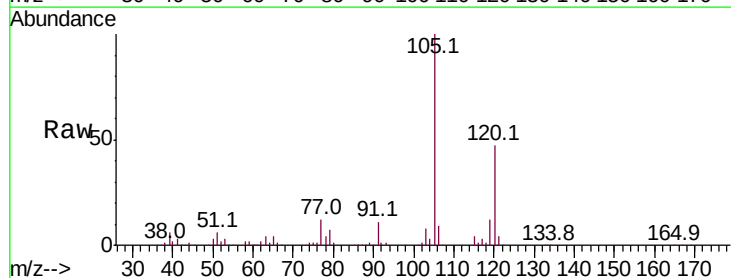
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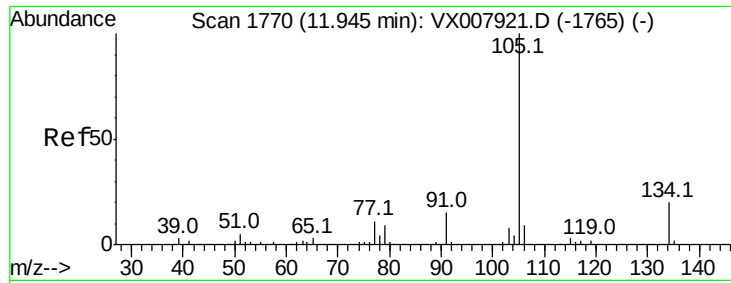
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 5.525 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	58317		
120	45.6	0.0	94.0	





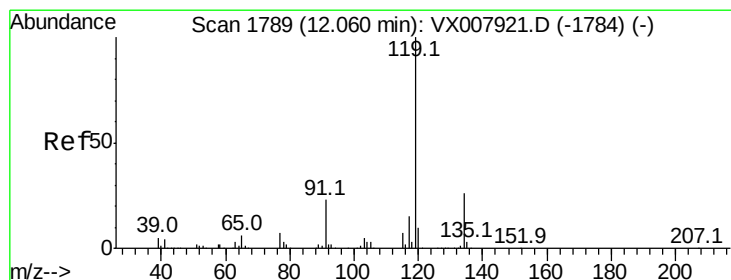
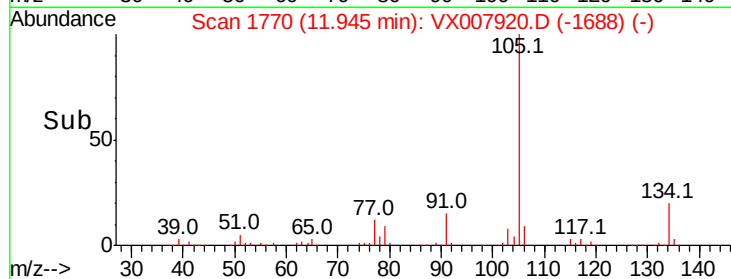
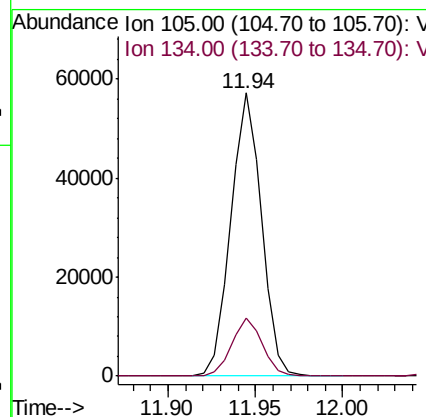
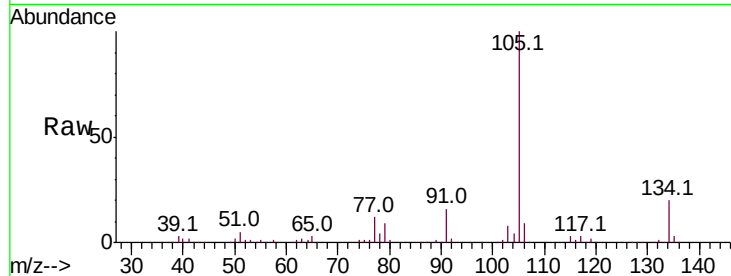
#81
 sec-Butylbenzene
 Concen: 5.617 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	41.8

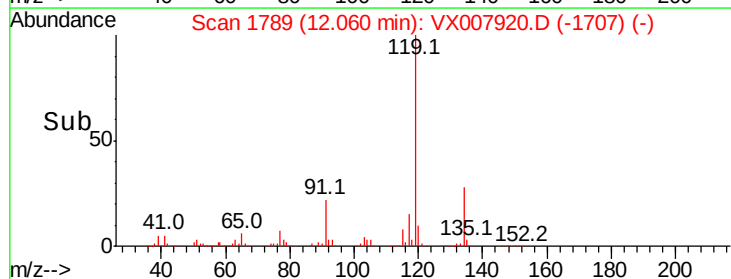
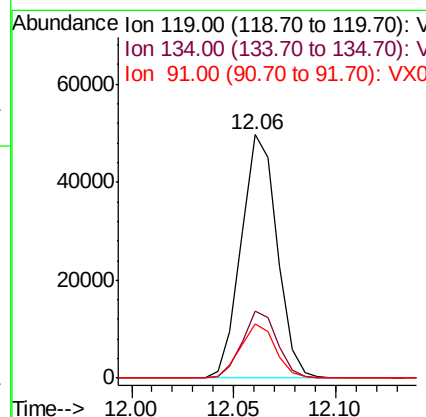
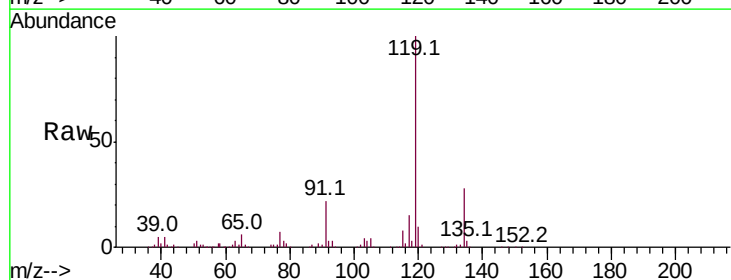
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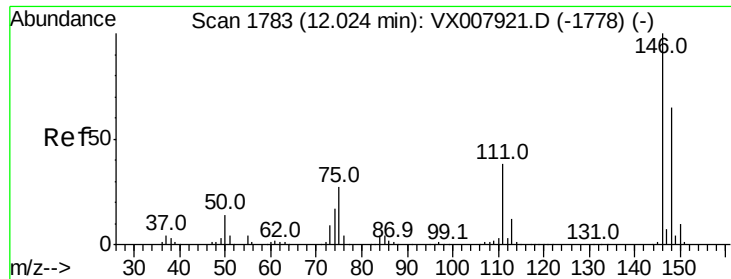
MMDadoda
 3/11/2019 9:30:42 AM



#82
 p-Isopropyltoluene
 Concen: 5.480 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	55.4
91	22.2	0.0	45.0





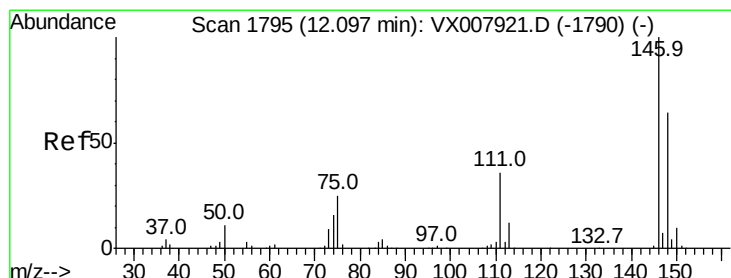
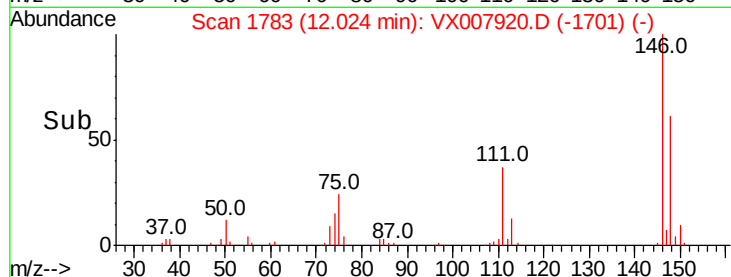
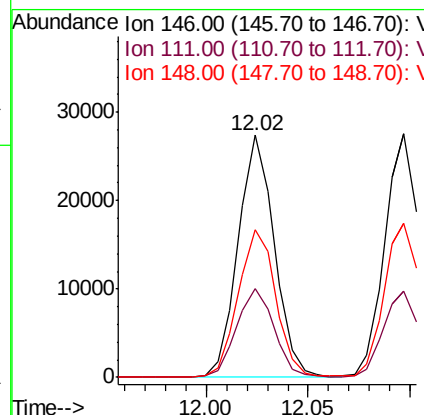
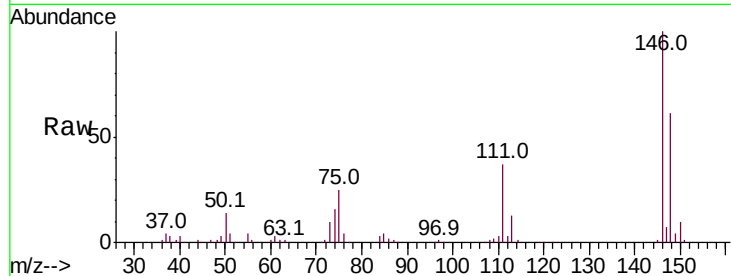
#83
 1,3-Dichlorobenzene
 Concen: 5.521 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.4	30.6	91.8

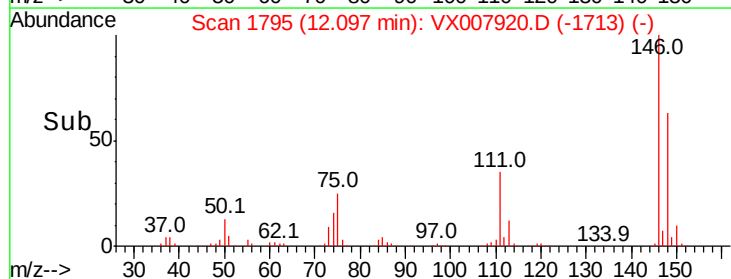
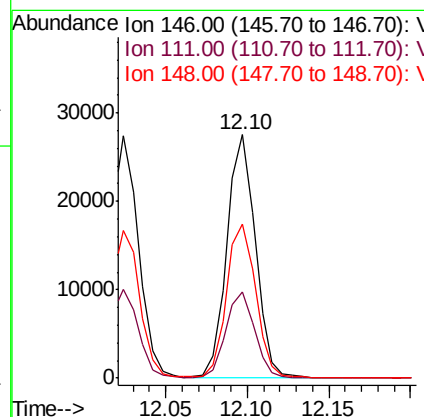
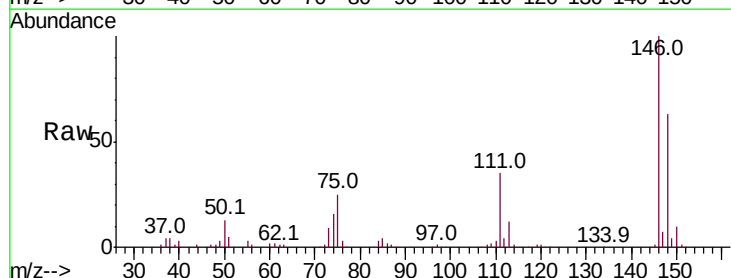
Manual Integrations
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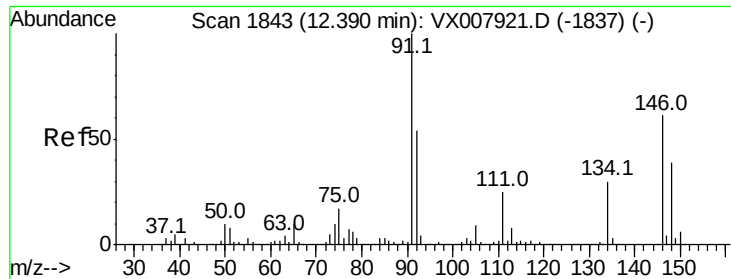
MMDadoda
 3/11/2019 9:30:42 AM



#84
 1,4-Dichlorobenzene
 Concen: 5.518 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.6	52.8
148	65.0	31.4	94.2





#85

n-Butylbenzene

Concen: 5.444 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

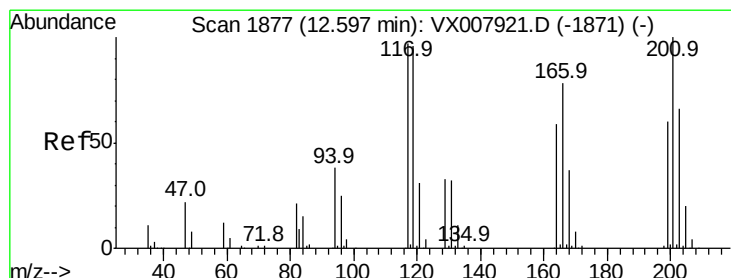
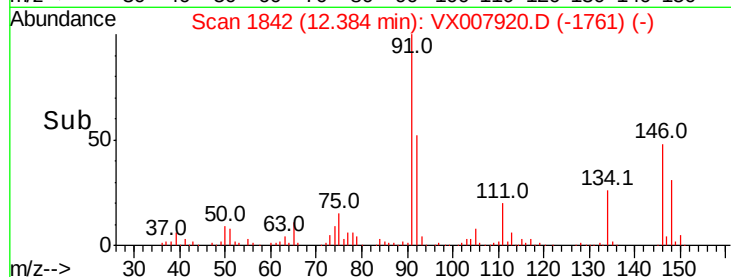
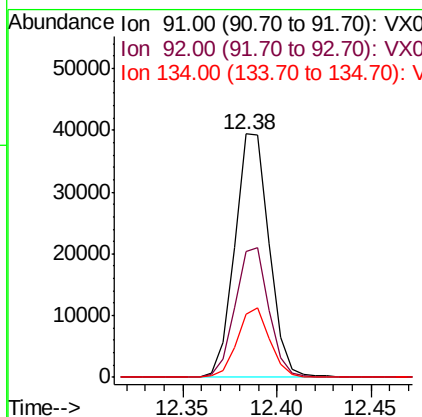
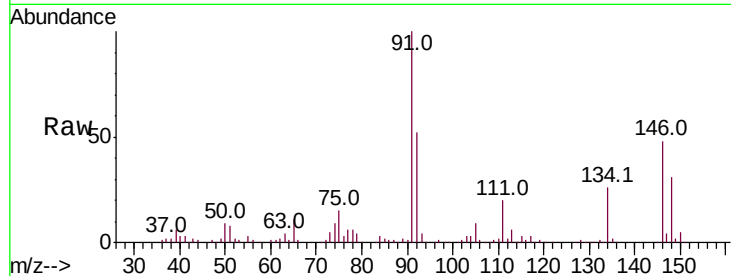
ClientSampled :

VSTDIC005

Tot Ion:	91	Resp:	49873
Ion Ratio	Lower	Upper	
91	100		
92	52.1	0.0	105.2
134	26.7	0.0	56.4

Manual Integrations
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3/11/2019 9:30:42 AM



#86

Hexachloroethane

Concen: 5.005 ug/l

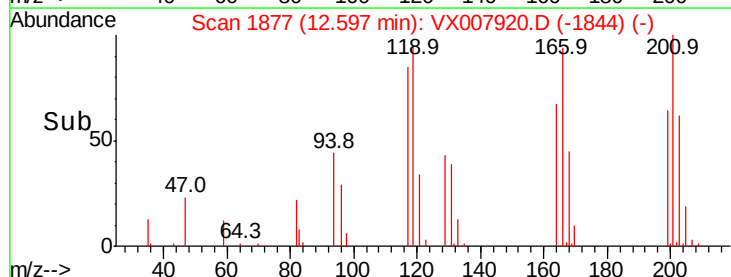
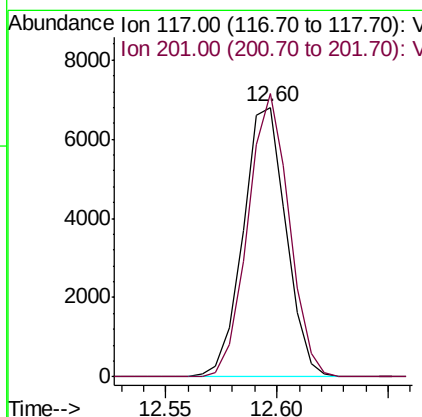
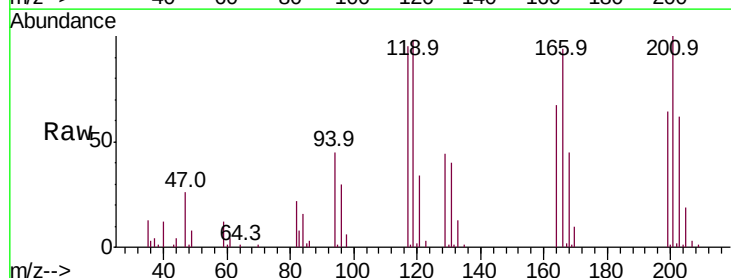
RT: 12.60 min Scan# 1877

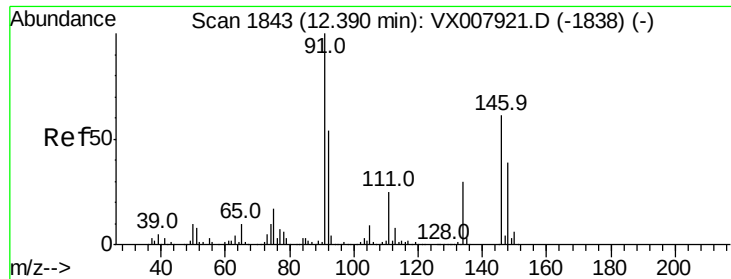
Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion:	117	Resp:	9175
Ion Ratio	Lower	Upper	
117	100		
201	100.1	41.1	123.3





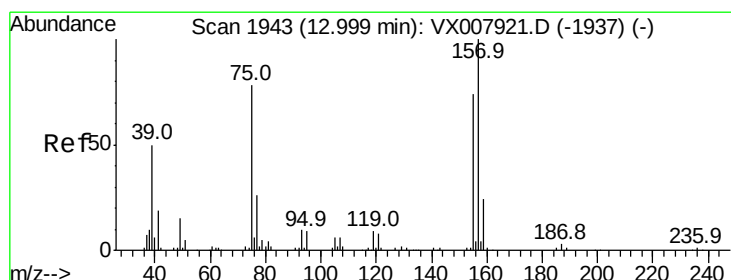
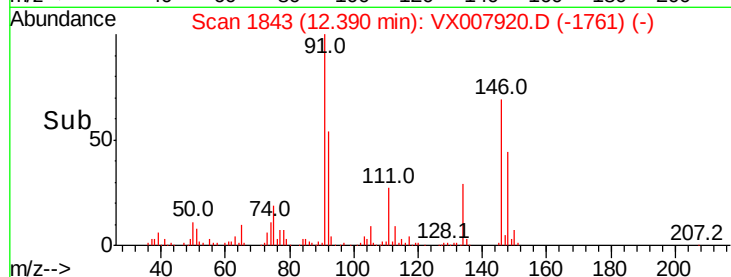
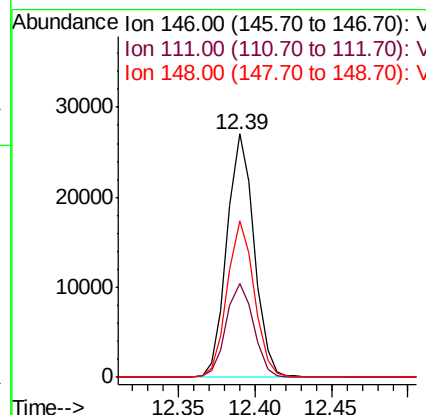
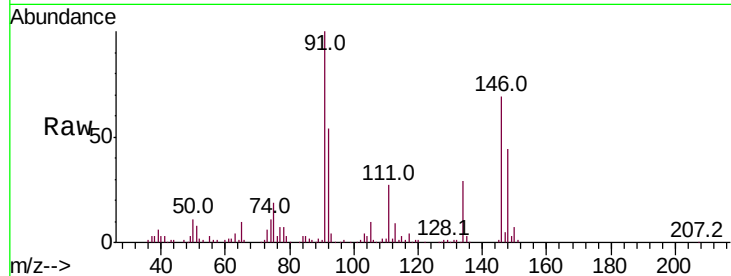
#87
 1,2-Dichlorobenzene
 Concen: 5.469 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.8
148	63.8	32.1	96.3

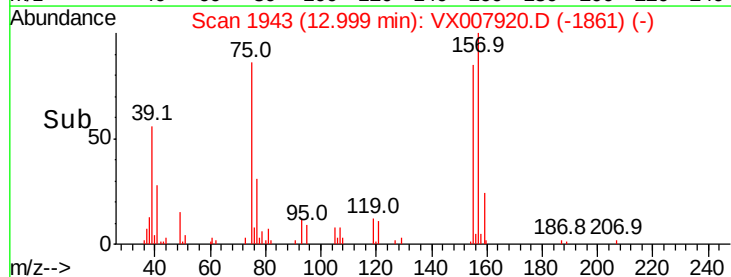
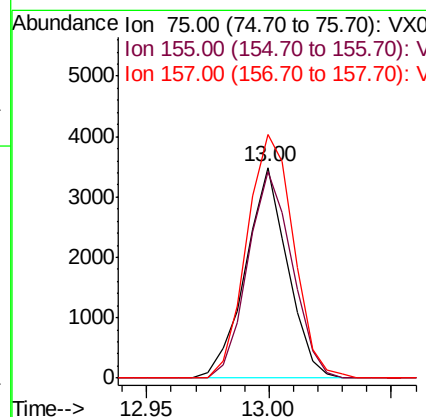
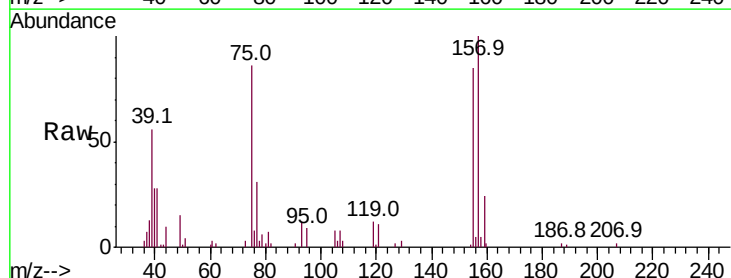
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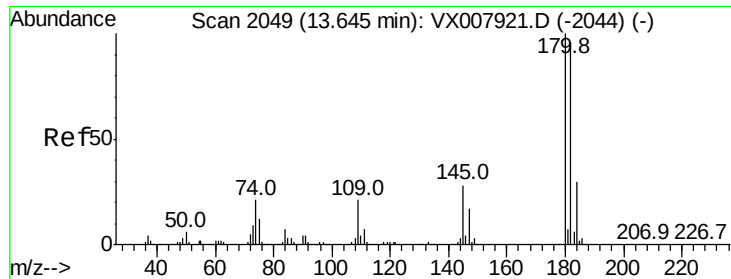
MMDadoda
 3/11/2019 9:30:42 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.749 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.7	81.0	121.6
157	128.2	103.2	154.8





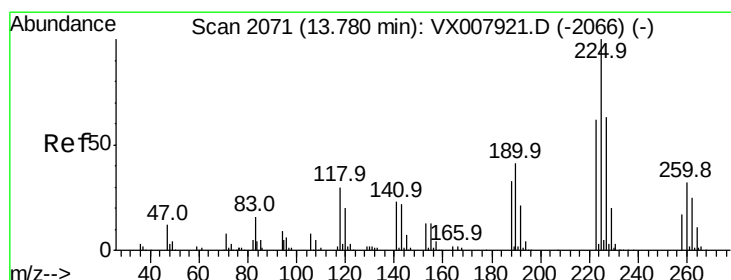
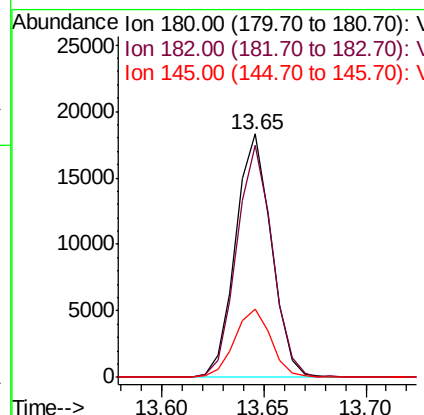
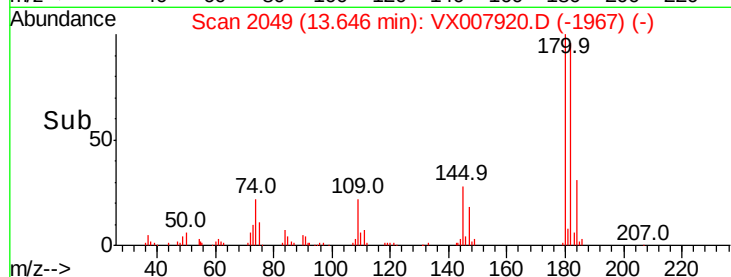
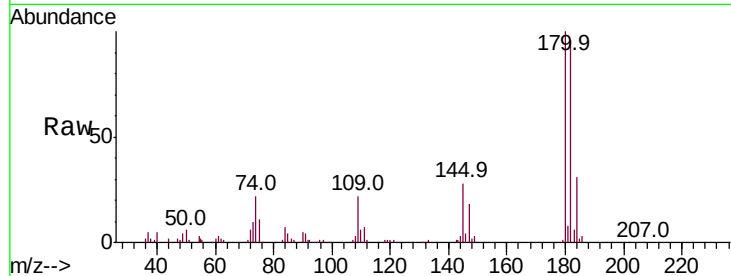
#89
 1,2,4-Trichlorobenzene
 Concen: 5.510 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.6	113.4
145	28.5	23.0	34.6

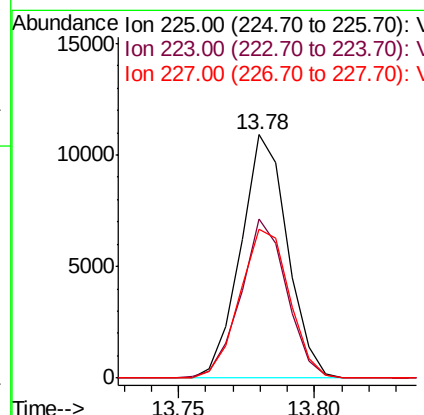
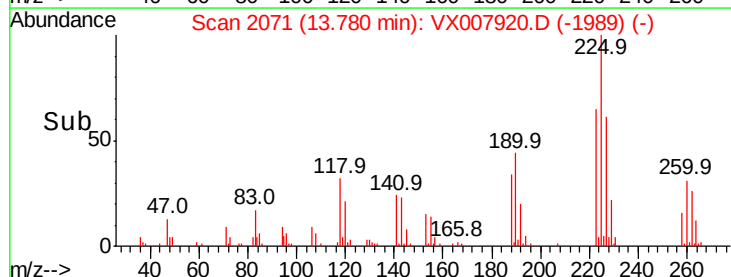
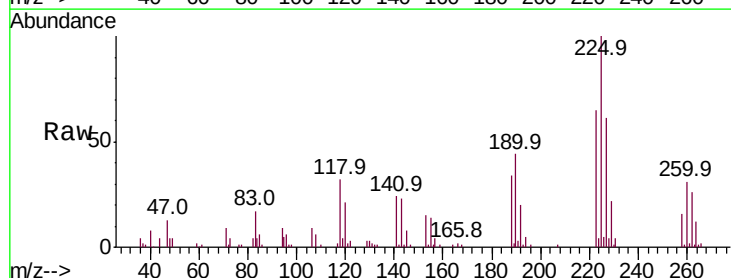
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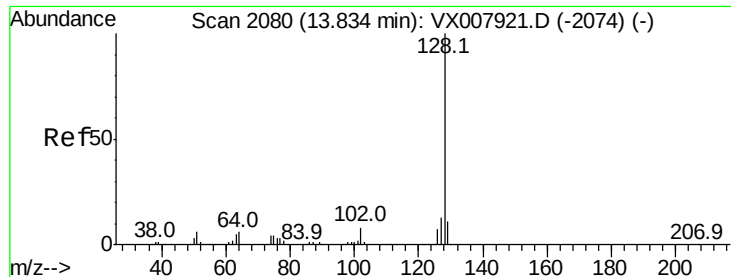
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 3/11/2019 9:30:42 AM



#90
 Hexachlorobutadiene
 Concen: 6.912 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	0.0	123.8
227	64.8	0.0	124.4





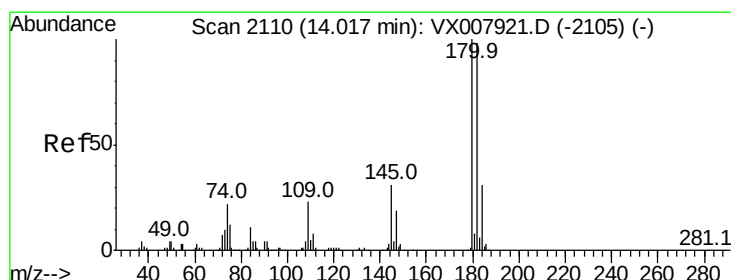
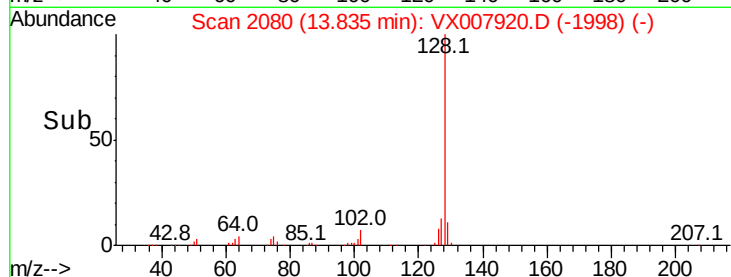
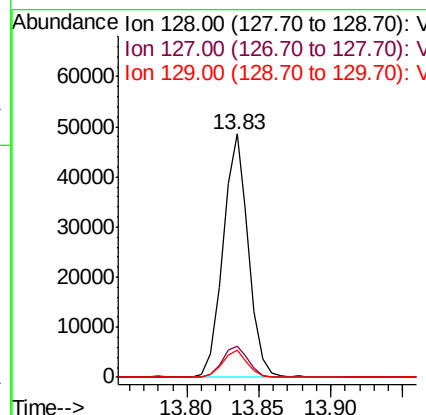
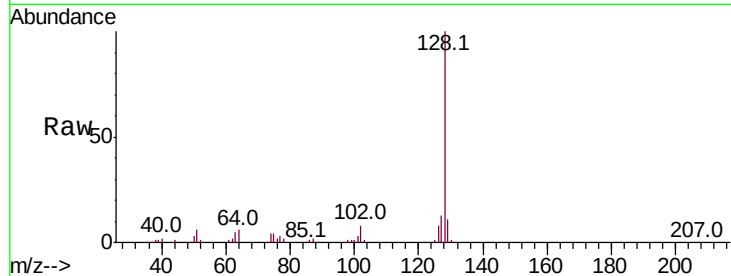
#91
Naphthalene
Concen: 4.649 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
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3/11/2019 9:30:42 AM



#92
1,2,3-Trichlorobenzene
Concen: 5.415 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	193.0
145	30.6	0.0	63.0

