

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032919\
 Data File : VX008540.D
 Acq On : 29 Mar 2019 13:43
 Operator : JC/SP
 Sample : VX0329WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0329WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 9:50:22 AM

Quant Time: Mar 29 23:39:47 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Wed Mar 27 12:01:15 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	34407	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	196710	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	173760	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	85282	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.13	95	89166	29.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.17%
63) Toluene-d8	8.71	98	250860	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	44357	18.853	ug/l 99
3) Chloromethane	1.32	50	61237	19.866	ug/l 96
4) Vinyl Chloride	1.40	62	58045	18.681	ug/l 98
5) Bromomethane	1.64	94	24812	15.412	ug/l 100
6) Chloroethane	1.72	64	36889	18.139	ug/l 94
7) Trichlorofluoromethane	1.93	101	65297	18.934	ug/l 99
8) Diethyl Ether	2.19	74	31210	19.190	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39831	18.546	ug/l 91
10) 1,1-Dichloroethene	2.37	96	41016	18.825	ug/l 83
11) Methyl Iodide	2.51	142	31968	14.169	ug/l 97
12) Methyl Acetate	3.19	43	34089	19.304	ug/l 91
13) Acrolein	2.29	56	39029	77.038	ug/l 99
14) Acrylonitrile	3.14	53	164315	100.641	ug/l 100
15) Acetone	2.44	58	44519	88.423	ug/l 94
16) Carbon Disulfide	2.57	76	123746	18.257	ug/l 99
17) Allyl chloride	2.73	41	92637	18.917	ug/l 91
18) Methylene Chloride	2.85	84	50502	19.390	ug/l 84
19) trans-1,2-Dichloroethene	3.17	96	44476	19.106	ug/l 85
20) Diisopropyl ether	3.85	45	187802	19.704	ug/l # 90
21) 1,1-Dichloroethane	3.70	63	93291	19.500	ug/l 96
22) cis-1,2-Dichloroethene	4.60	96	52005	19.333	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	64864	98.385	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	153953	19.226	ug/l 98
25) Chloroform	5.21	83	84118	19.411	ug/l 98
26) Cyclohexane	5.58	56	88252	18.988	ug/l # 84
29) 1,1-Dichloropropene	5.80	75	62307	18.828	ug/l 94
30) 2-Butanone	4.67	43	238458	97.988	ug/l 94
31) 2,2-Dichloropropane	4.59	77	61728	18.676	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	67211	19.557	ug/l 94
33) Carbon Tetrachloride	5.79	117	53860	18.732	ug/l 98
34) Benzene	6.14	78	198852	19.657	ug/l # 96
35) Methacrylonitrile	5.04	41	49372	19.950	ug/l 93
36) 1,2-Dichloroethane	6.19	62	71444	19.809	ug/l 97
37) Trichloroethene	7.21	130	45075	19.375	ug/l 89
38) Methylcyclohexane	7.46	83	79058	18.958	ug/l 89
39) 1,2-Dichloropropane	7.51	63	54757	19.084	ug/l 100
40) Dibromomethane	7.66	93	32479	19.541	ug/l 88

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Manual Integrations
 APPROVED

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 3/30/2019 9:50:22 AM

Quant Time: Mar 29 23:39:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	62355	19.080	ug/l	96
42) Vinyl Acetate	3.81	43	824980	100.004	ug/l #	94
43) Ethyl Acetate	4.83	43	89596	20.456	ug/l #	82
44) Isopropyl Acetate	6.45	43	139084	19.638	ug/l	98
45) 1,4-Dioxane	7.74	88	30104	426.983	ug/l	87
46) Methyl methacrylate	7.77	41	70035	19.470	ug/l	89
47) n-amyl Acetate	10.90	43	123797	19.243	ug/l	95
48) t-1,3-Dichloropropene	9.04	75	68375	18.523	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	77971	18.884	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	47414	19.212	ug/l	96
51) Ethyl methacrylate	9.18	69	87933	19.146	ug/l	91
52) 1,3-Dichloropropane	9.37	76	86365	19.670	ug/l	99
53) Dibromochloromethane	9.58	129	45207	18.614	ug/l	100
54) 1,2-Dibromoethane	9.67	107	49713	19.540	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	230627	99.539	ug/l	95
56) Bromoform	10.85	173	31592	17.849	ug/l #	99
58) 4-Methyl-2-Pentanone	8.64	43	460923	100.548	ug/l #	95
59) 2-Hexanone	9.49	43	357245	98.642	ug/l	97
61) Tetrachloroethene	9.34	164	38259	20.130	ug/l	97
62) Toluene	8.78	91	208546	19.823	ug/l	99
64) Chlorobenzene	10.13	112	120207	19.500	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	42274	19.451	ug/l	98
66) Ethyl Benzene	10.25	91	226000	19.354	ug/l	95
67) m/p-Xylenes	10.36	106	162275	38.100	ug/l	88
68) o-Xylene	10.69	106	80849	19.398	ug/l	93
69) Styrene	10.71	104	138736	19.130	ug/l	96
70) Isopropylbenzene	11.02	105	214083	19.472	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	81250	19.782	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	78543m	22.624	ug/l	
73) Bromobenzene	11.26	156	49759	19.023	ug/l	78
74) n-propylbenzene	11.36	91	250495	19.125	ug/l	94
75) 2-Chlorotoluene	11.42	91	149407	19.174	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	179857	19.135	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	23829	17.894	ug/l	95
78) 4-Chlorotoluene	11.51	91	169564	18.907	ug/l	90
79) tert-butylbenzene	12.06	119	181709	18.917	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	178757	19.073	ug/l	95
81) sec-Butylbenzene	11.94	105	205128	19.100	ug/l	96
82) p-Isopropyltoluene	12.06	119	181709	18.917	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	88587	19.077	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	87213	18.794	ug/l	96
85) n-Butylbenzene	12.38	91	164785	18.055	ug/l	97
86) Hexachloroethane	12.59	117	29057	18.105	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	89298	19.085	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17865	19.625	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	60873	18.860	ug/l	99
90) Hexachlorobutadiene	13.78	225	29343	18.871	ug/l	98
91) Naphthalene	13.83	128	218426	19.753	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	62691	19.282	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Manual Integrations
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3/30/2019 9:50:22 AM

Quant Time: Mar 29 23:39:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

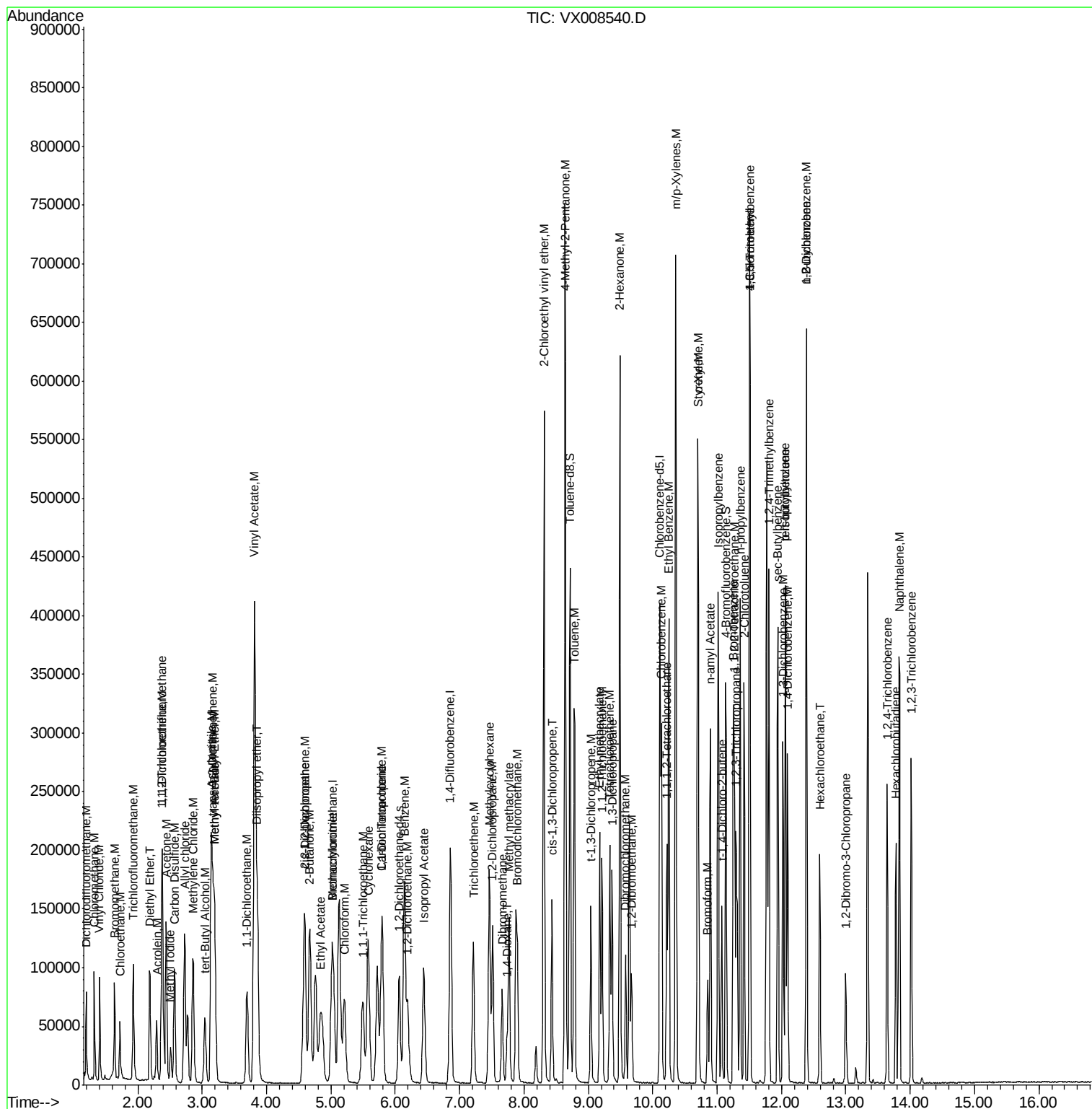
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Data File : VX008540.D
Acq On : 29 Mar 2019 13:43
Operator : JC/SP
Sample : VX0329WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

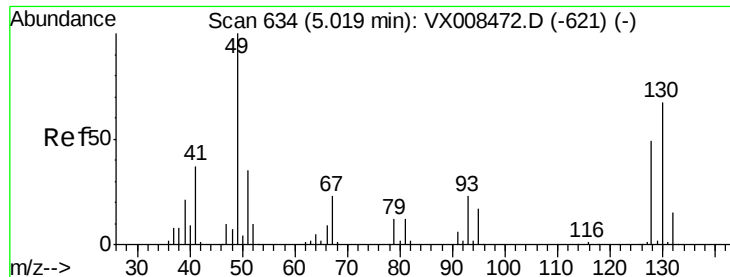
Instrument :
MSVOA_X
ClientSampleID :
VX0329WBS01

Manual Integrations
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3/30/2019 9:50:22 AM

Quant Time: Mar 29 23:39:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
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QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

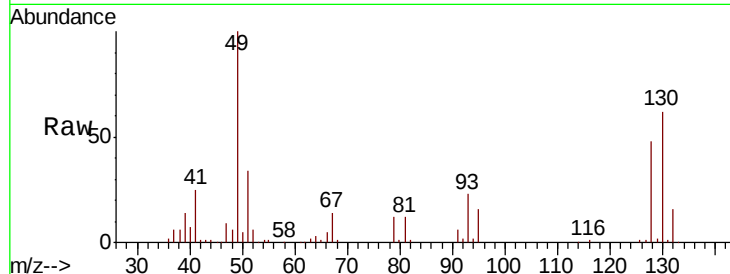
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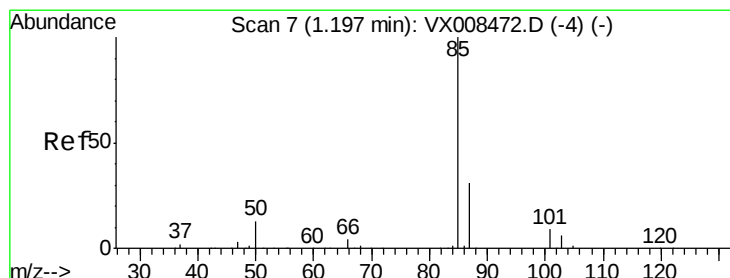
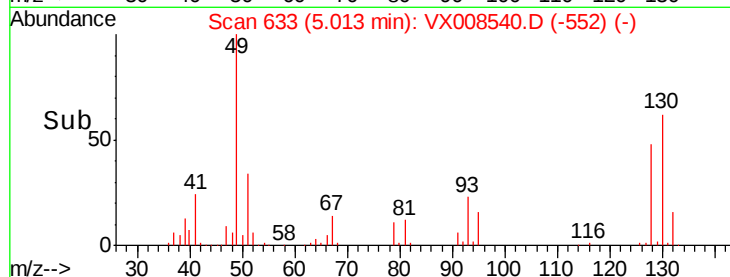
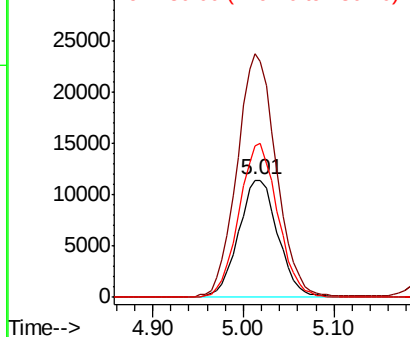
Tot Ion:	128	Resp:	34407
Ion	Ratio	Lower	Upper
128	100		
49	207.6	0.0	350.8
130	129.1	0.0	325.8

Manual Integrations
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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: 18.853 ug/l

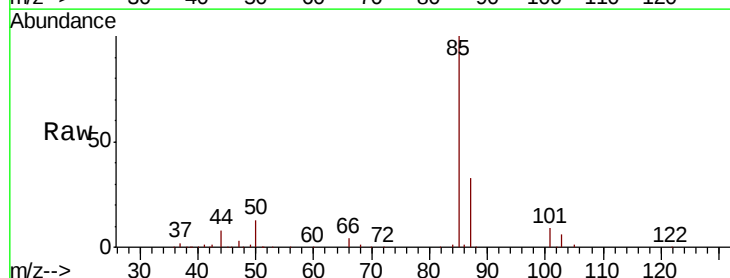
RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

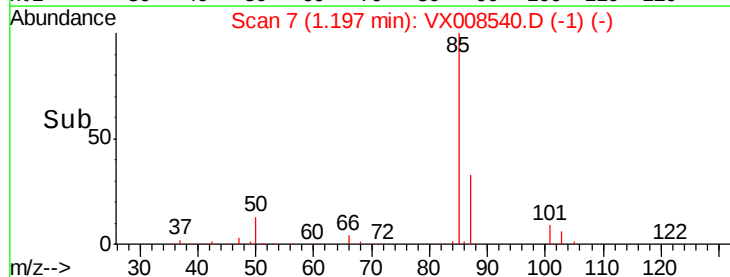
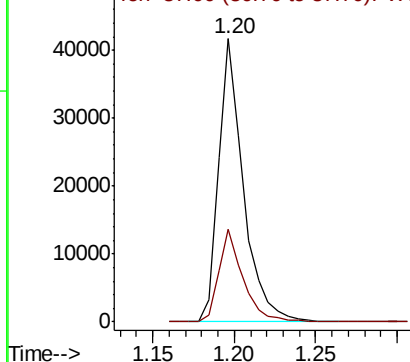
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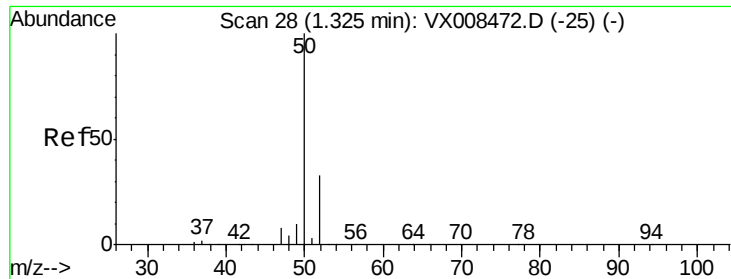
Acq: 29 Mar 2019 13:43

Tgt Ion:	85	Resp:	44357
Ion	Ratio	Lower	Upper
85	100		
87	32.7	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: 19.866 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 50 Resp: 61237

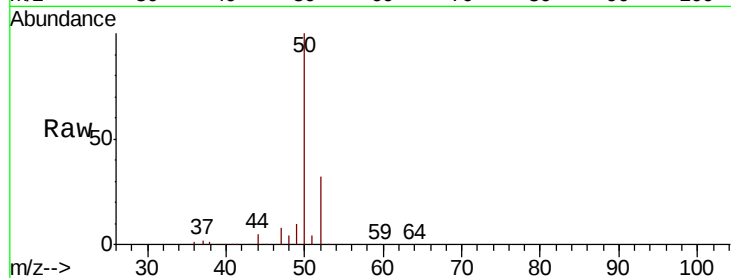
Ion Ratio Lower Upper

50 100

52 32.3 27.5 41.3

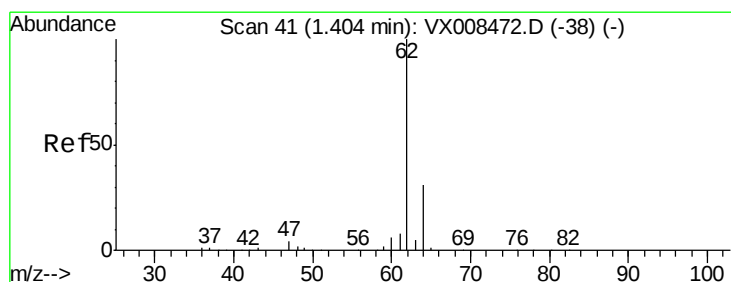
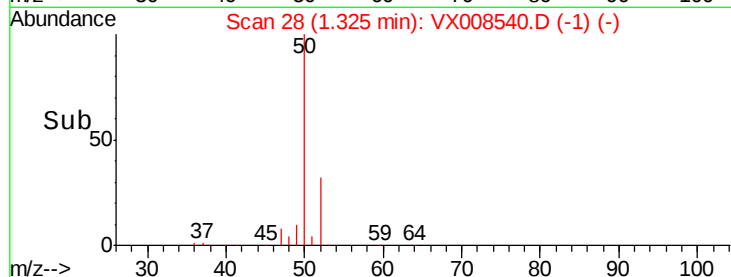
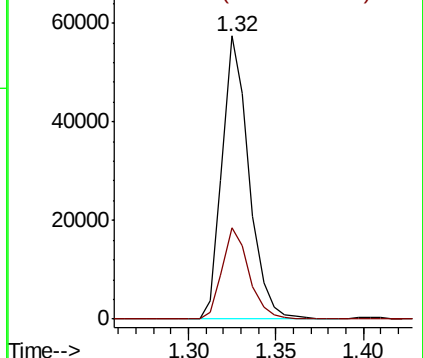
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.681 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008540.D

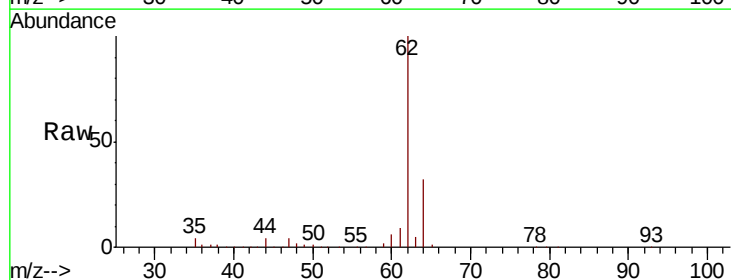
Acq: 29 Mar 2019 13:43

Tgt Ion: 62 Resp: 58045

Ion Ratio Lower Upper

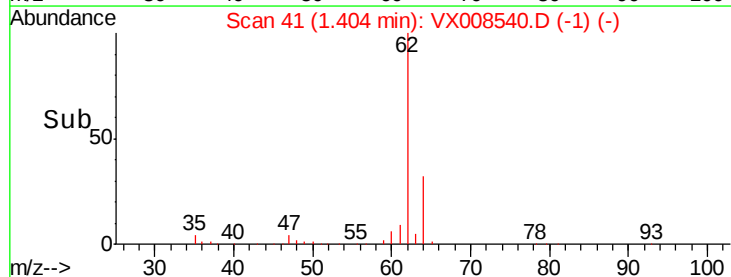
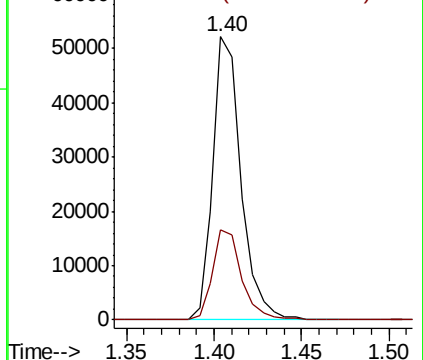
62 100

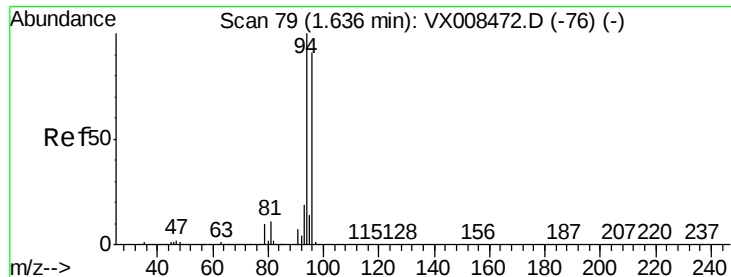
64 31.5 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 15.412 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 94 Resp: 24812

Ion Ratio Lower Upper

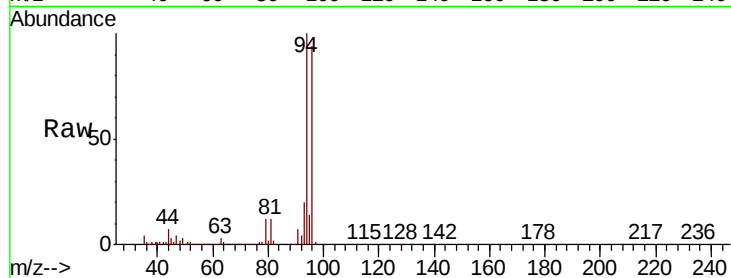
94 100

96 94.4 75.6 113.4

Manual Integrations
APPROVED

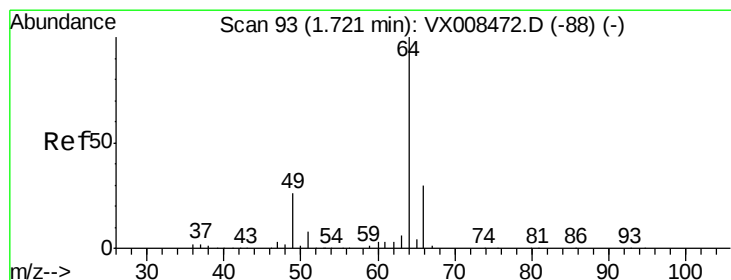
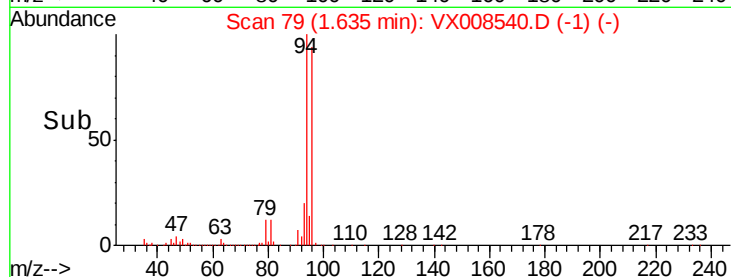
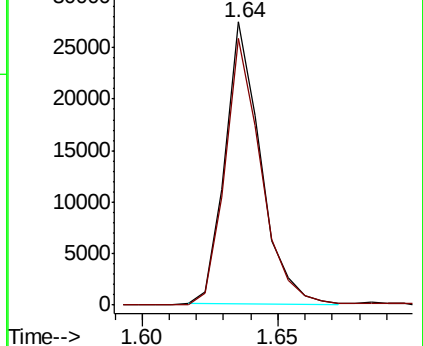
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.139 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008540.D

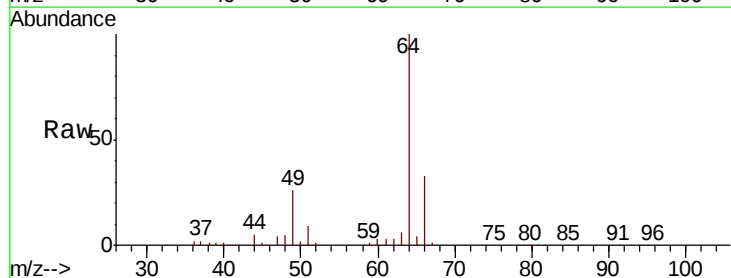
Acq: 29 Mar 2019 13:43

Tgt Ion: 64 Resp: 36889

Ion Ratio Lower Upper

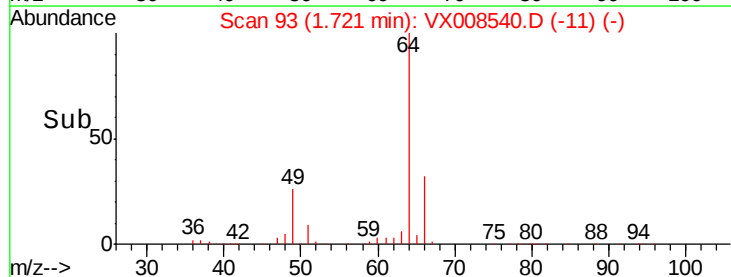
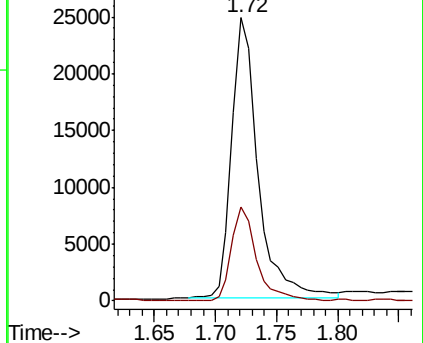
64 100

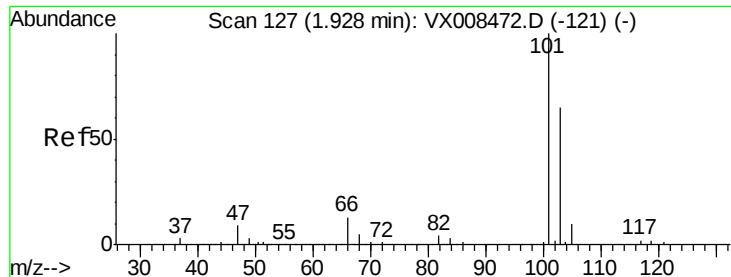
66 33.4 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

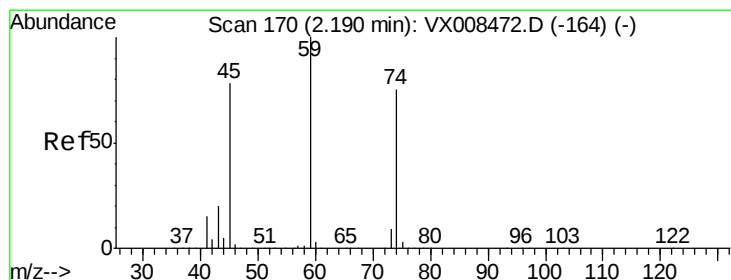
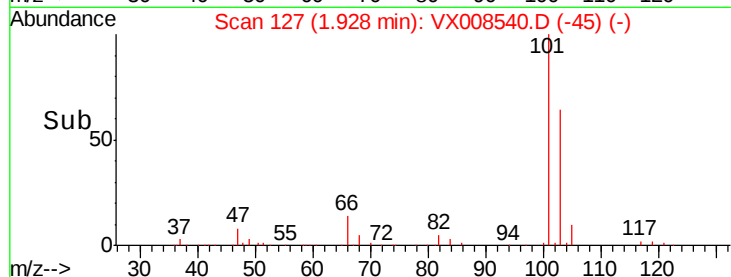
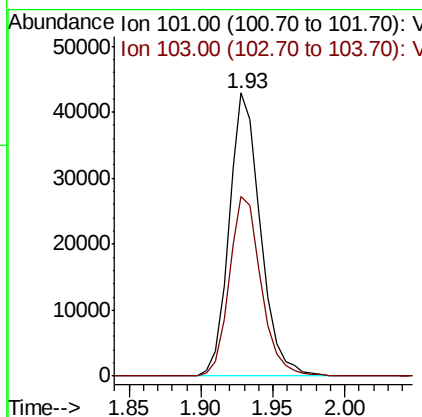
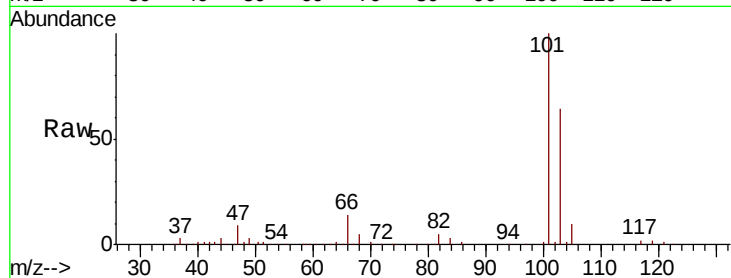
Trichlorofluoromethane
 Concen: 18.934 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.4	75.6

Manual Integrations
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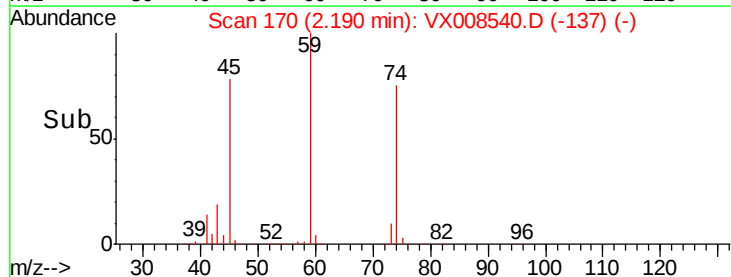
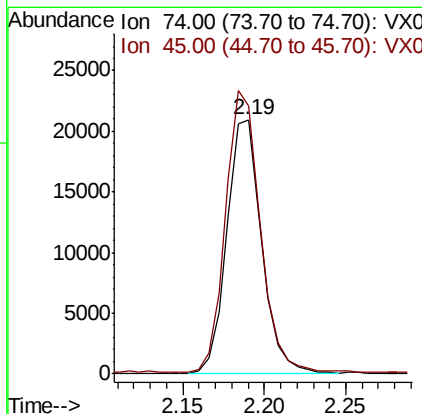
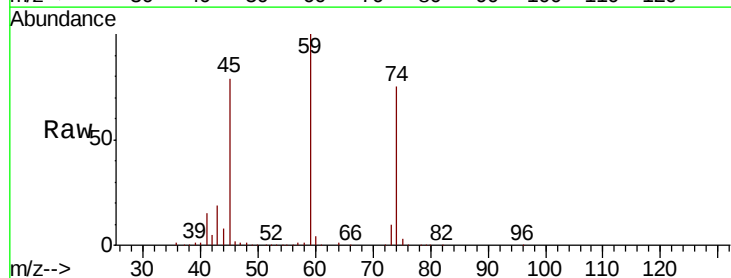
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 3/30/2019 9:50:22 AM

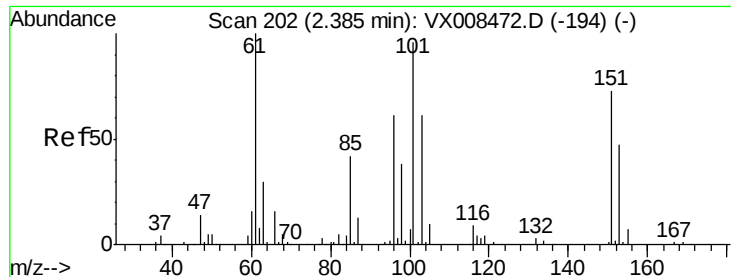


#8

Diethyl Ether
 Concen: 19.190 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.7	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.546 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

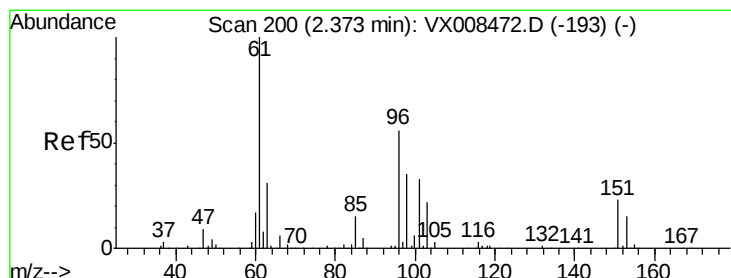
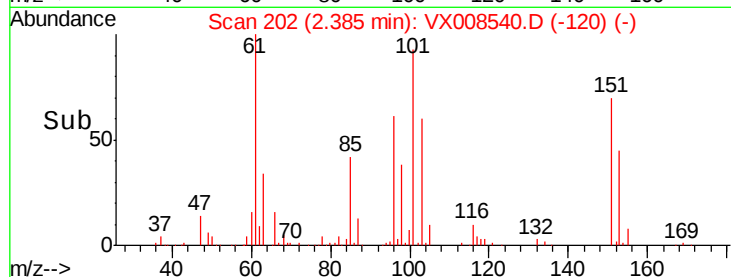
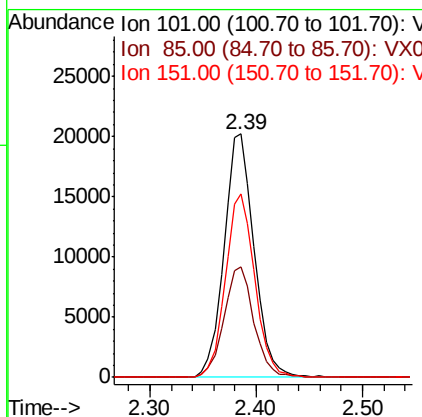
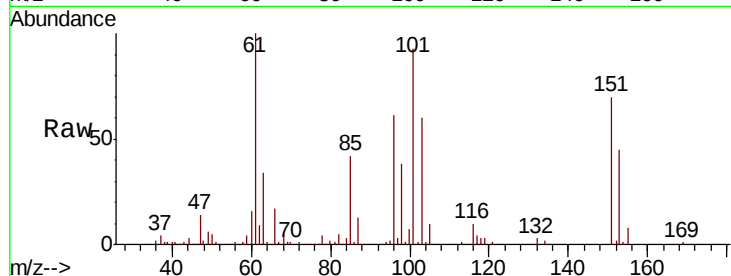
ClientSampleId :

VX0329WBS01

Tot Ion:	101	Resp:	39831
Ion Ratio	Lower	Upper	
101	100		
85	45.3	0.0	86.8
151	73.8	0.0	169.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.825 ug/l

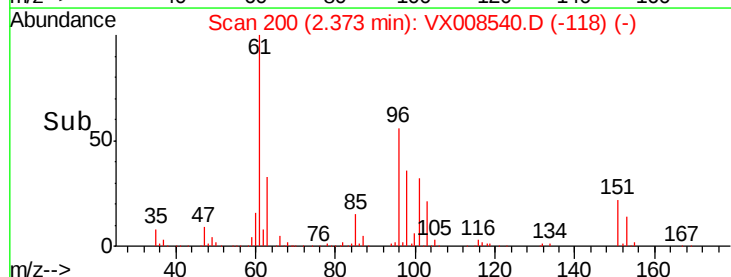
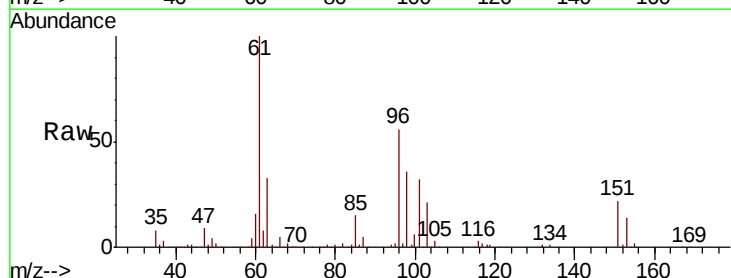
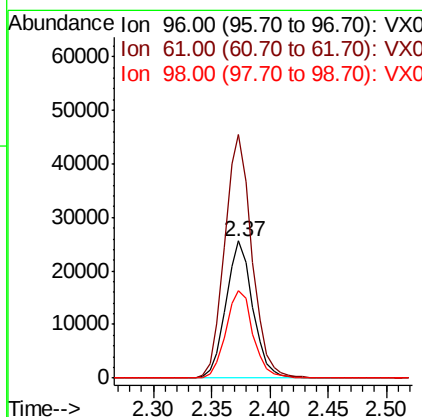
RT: 2.37 min Scan# 200

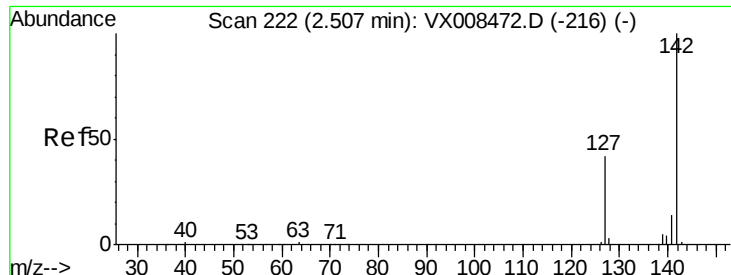
Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Tgt Ion:	96	Resp:	41016
Ion Ratio	Lower	Upper	
96	100		
61	178.0	120.2	180.2
98	64.2	49.0	73.4





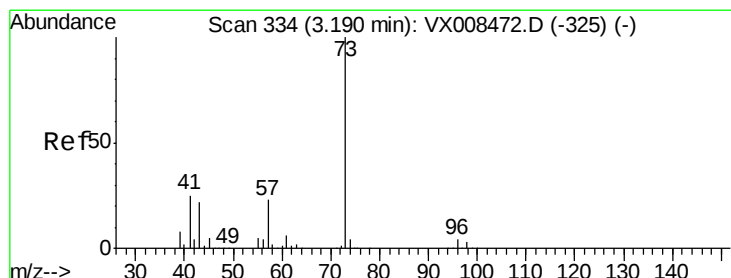
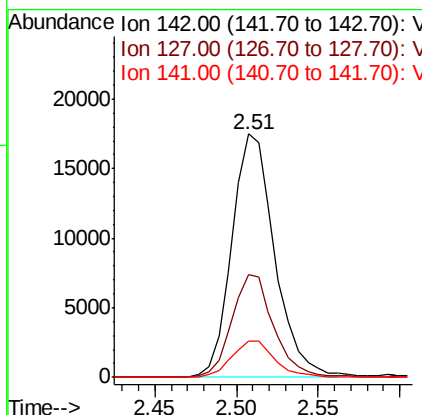
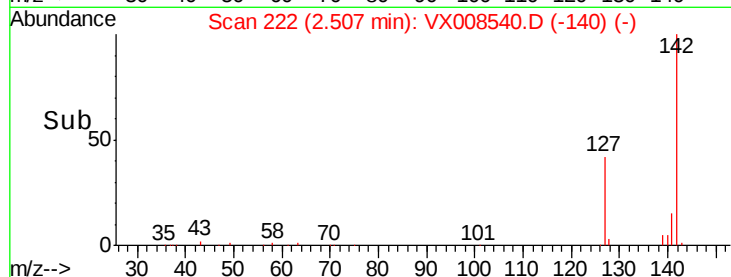
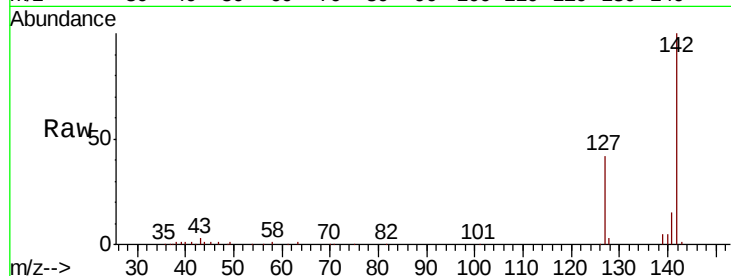
#11
Methvl Iodide
Concen: 14.169 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.1	22.1	66.5
141	15.1	7.4	22.3

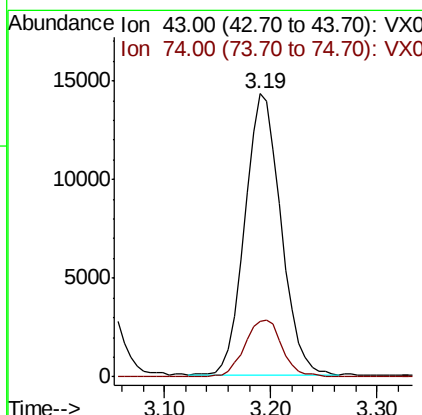
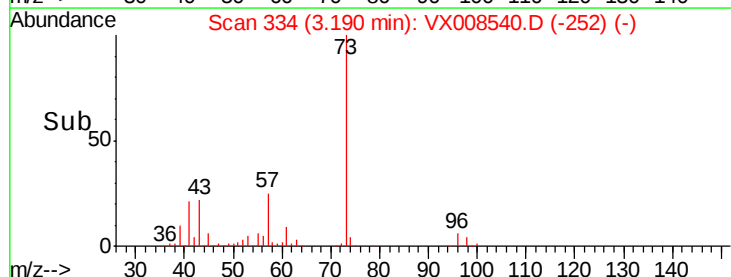
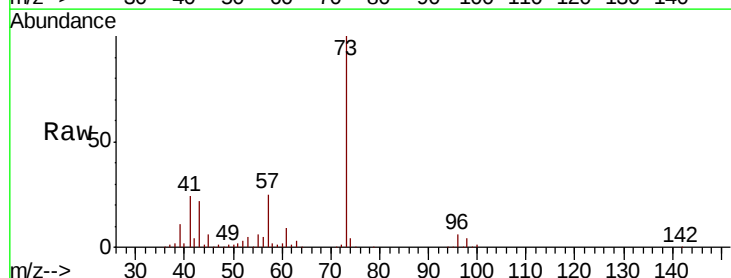
Manual Integrations
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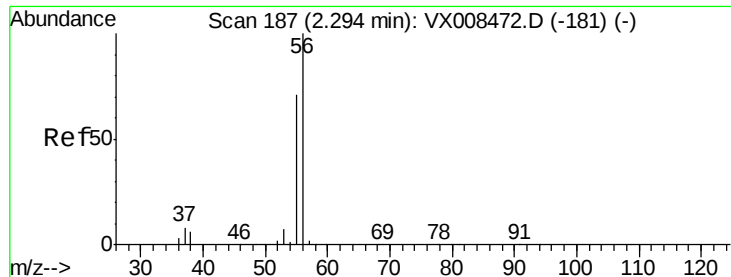
MMDadoda
3/30/2019 9:50:22 AM



#12
Methyl Acetate
Concen: 19.304 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	19.4	29.0





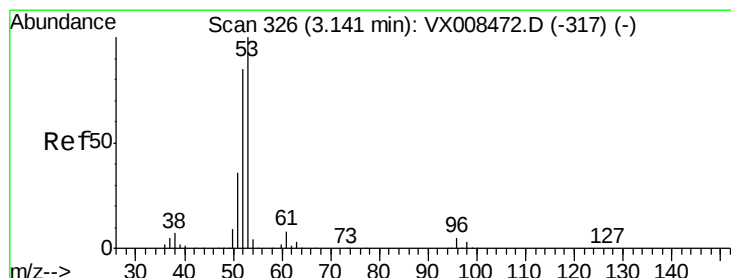
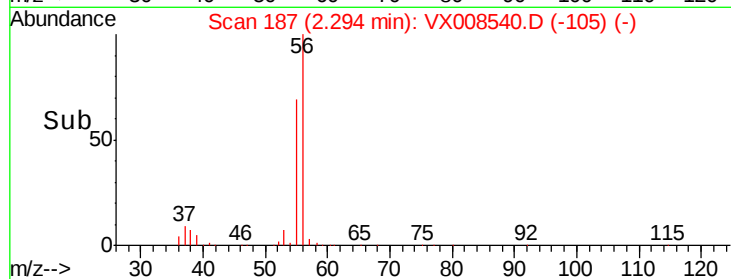
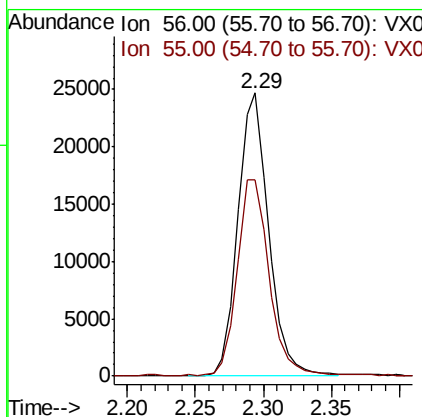
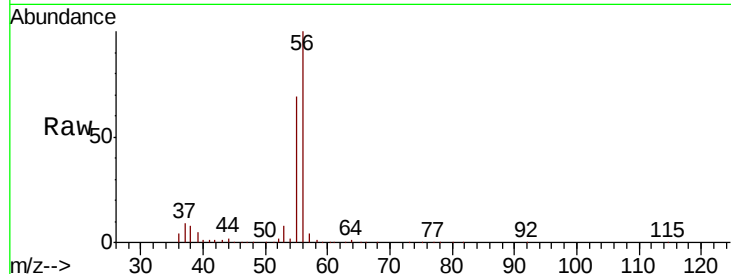
#13
Acrolein
Concen: 77.038 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	56	55	Ratio	Lower	Upper
39029	100	72.4		58.6	87.8

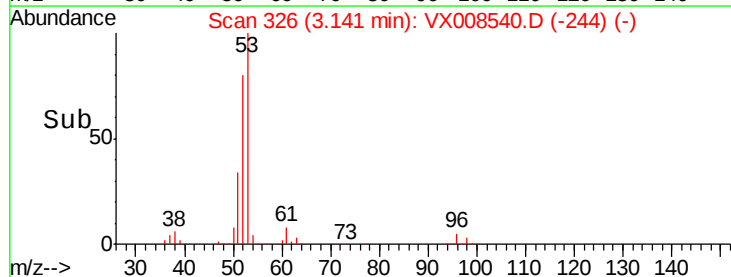
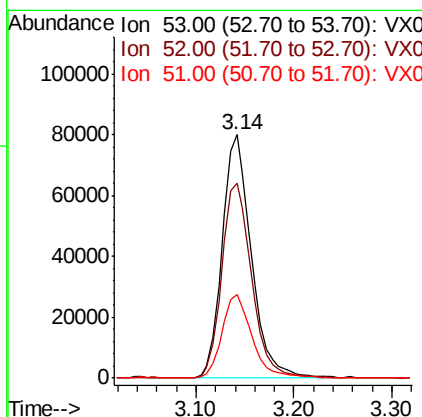
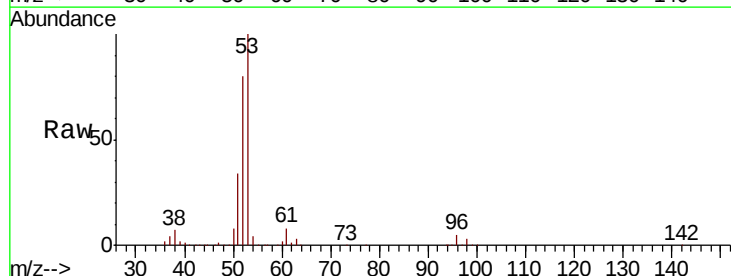
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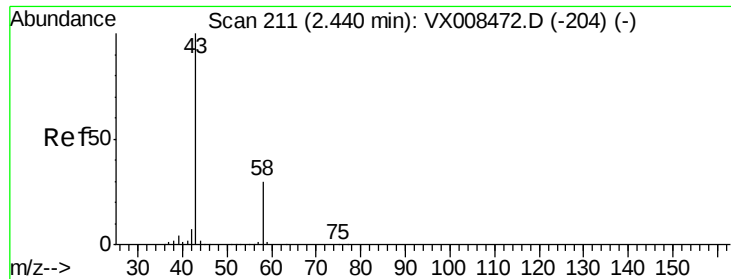
MMDadoda
3/30/2019 9:50:22 AM



#14
Acrylonitrile
Concen: 100.641 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	53	52	51	Ratio	Lower	Upper
164315	100	82.9	35.4		41.3	124.1





#15

Acetone

Concen: 88.423 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 58 Resp: 44519

Ion Ratio Lower Upper

58 100

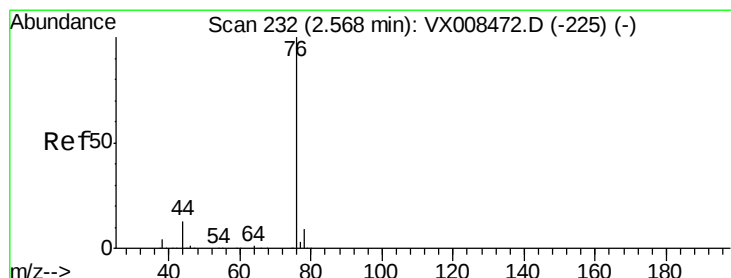
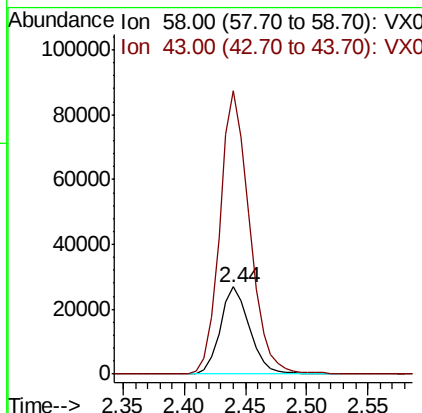
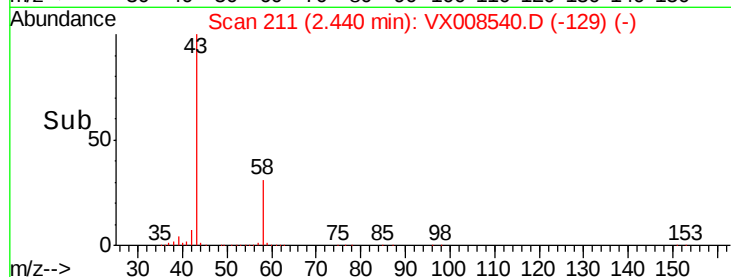
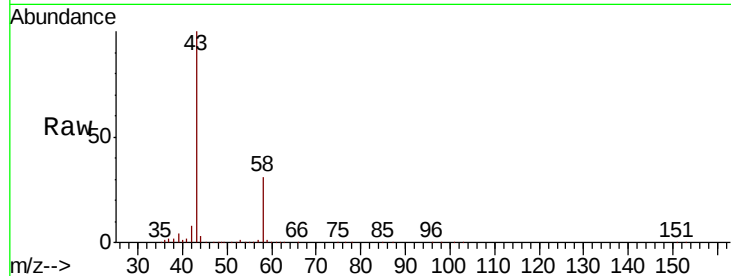
43 324.3 249.8 374.6

Manual Integrations

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MMDadoda

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#16

Carbon Disulfide

Concen: 18.257 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008540.D

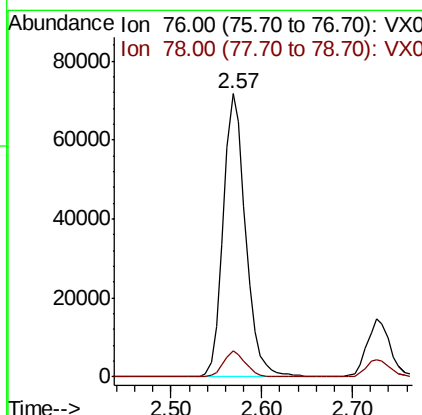
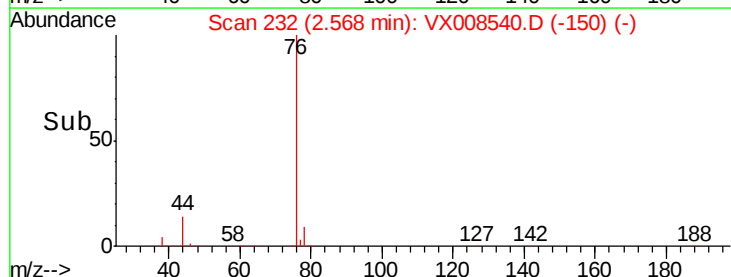
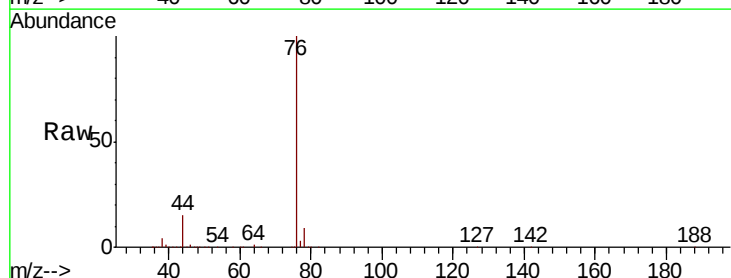
Acq: 29 Mar 2019 13:43

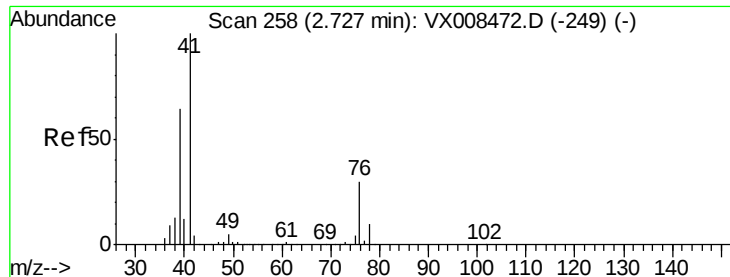
Tgt Ion: 76 Resp: 123746

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





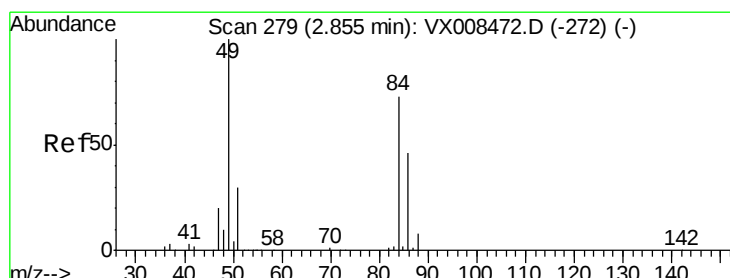
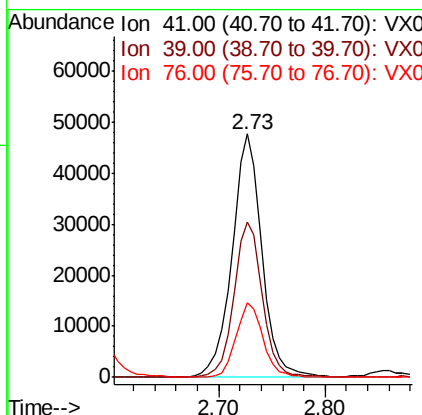
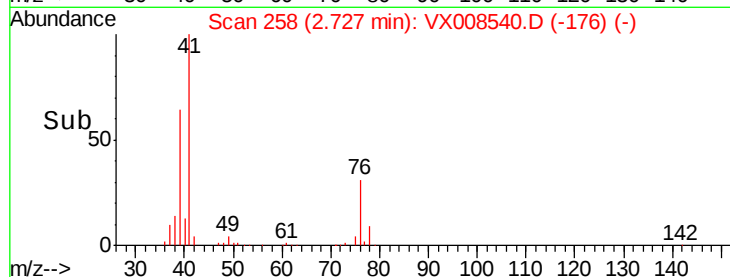
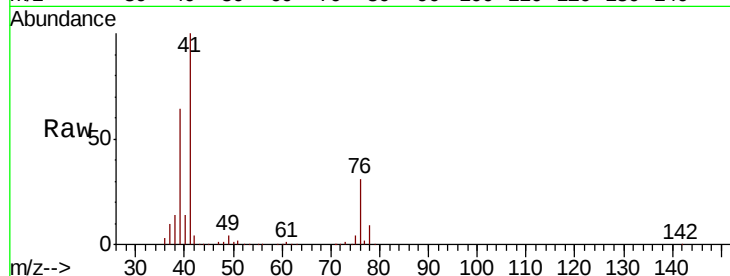
#17
Allvl chloride
Concen: 18.917 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion:	41	Resp:	92637
Ion	Ratio	Lower	Upper
41	100		
39	63.9	35.8	107.4
76	30.7	18.3	54.9

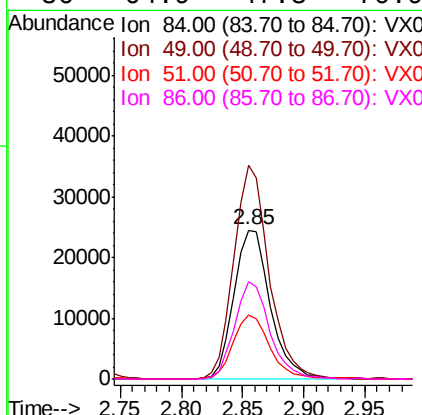
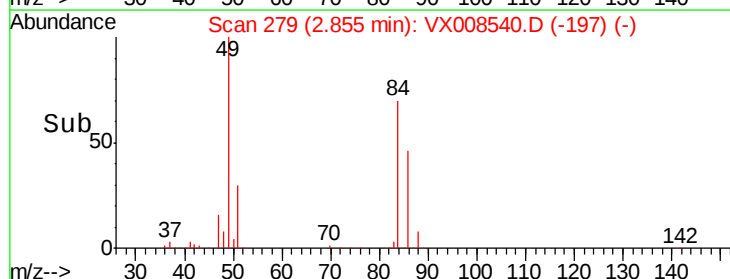
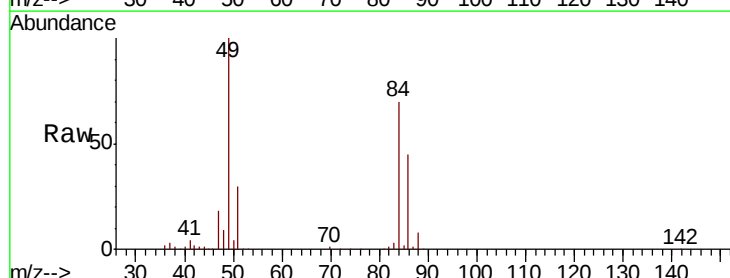
Manual Integrations
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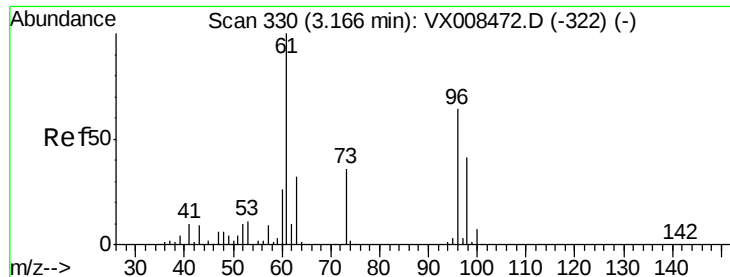
MMDadoda
3/30/2019 9:50:22 AM



#18
Methylene Chloride
Concen: 19.390 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion:	84	Resp:	50502
Ion	Ratio	Lower	Upper
84	100		
49	143.2	96.1	144.1
51	42.7	29.1	43.7
86	64.9	47.3	70.9





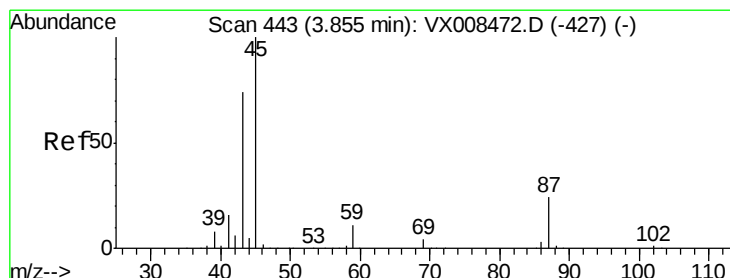
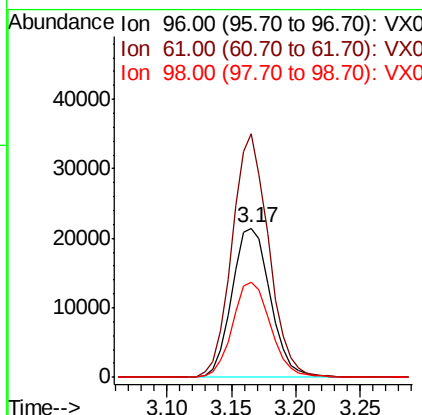
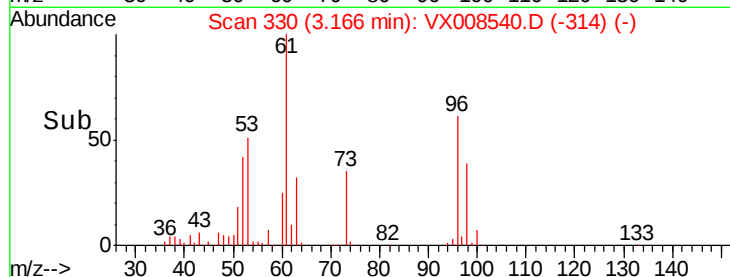
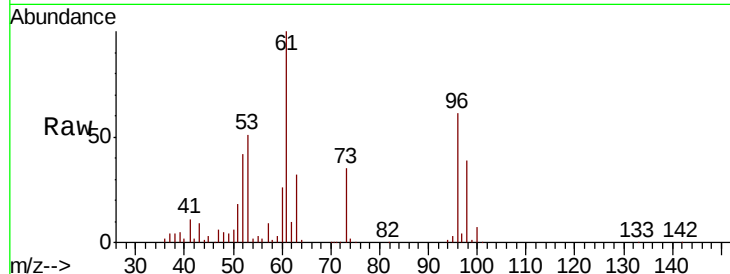
#19
trans-1,2-Dichloroethene
Concen: 19.106 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	109.9	164.9
98	64.0	50.4	75.6

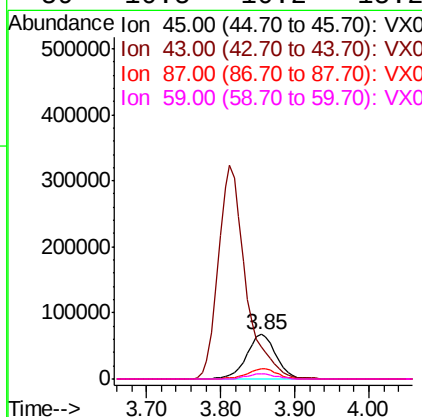
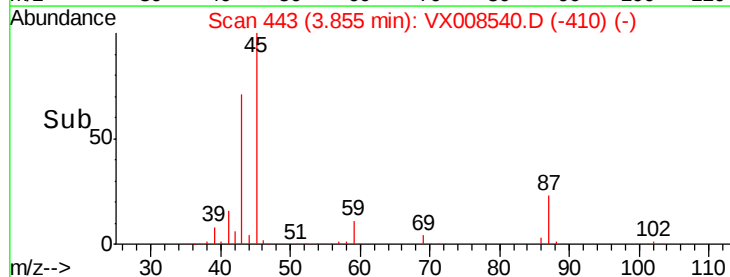
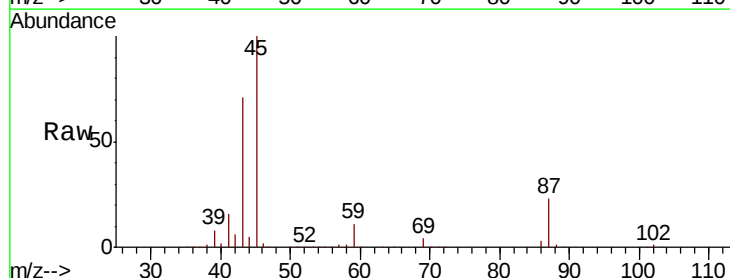
Manual Integrations
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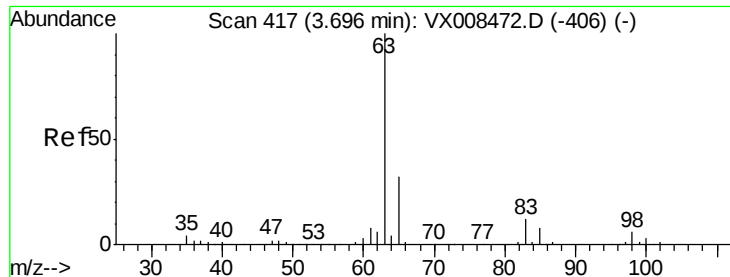
MMDadoda
3/30/2019 9:50:22 AM



#20
Diisopropyl ether
Concen: 19.704 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.7	50.6	76.0
87	23.0	24.5	36.7#
59	10.5	10.2	15.2





#21

1,1-Dichloroethane

Concen: 19.500 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

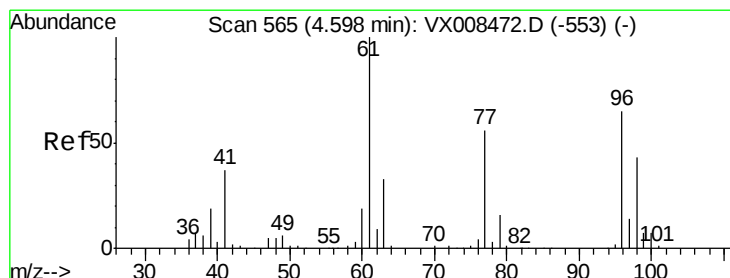
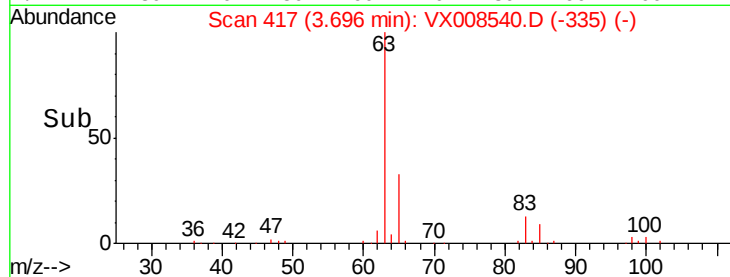
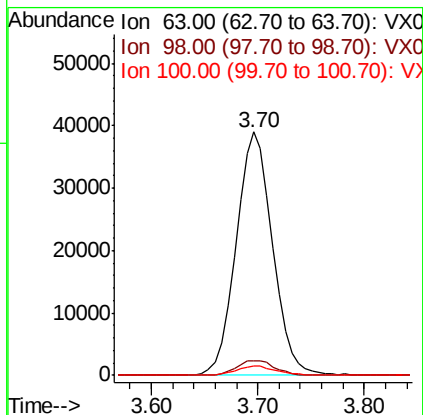
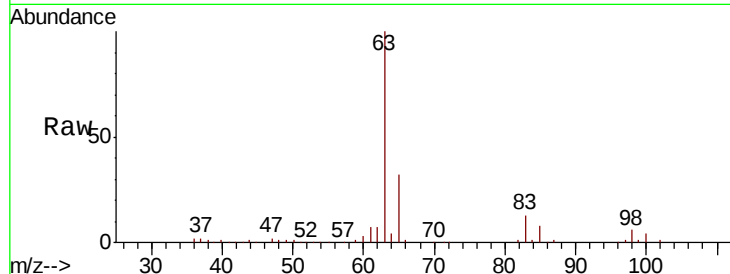
ClientSampleId :

VX0329WBS01

Tot Ion:	63	Resp:	93291
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.8	11.4
100	3.7	2.4	7.1

Manual Integrations
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3/30/2019 9:50:22 AM



#22

cis-1,2-Dichloroethene

Concen: 19.333 ug/l

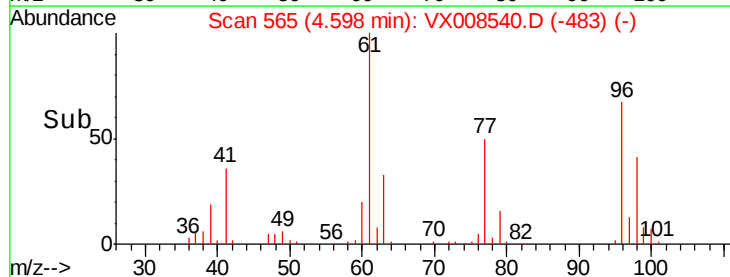
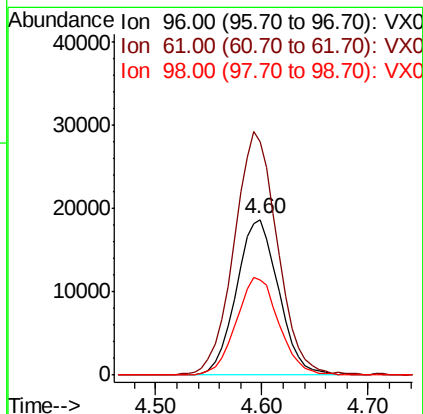
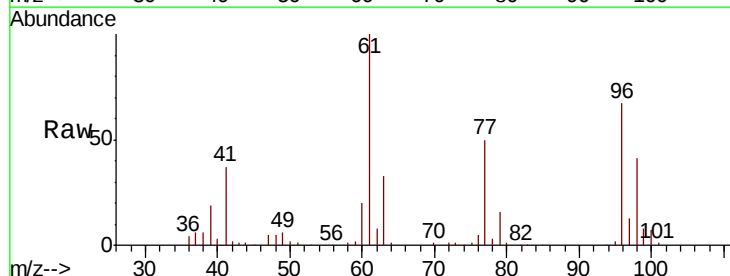
RT: 4.60 min Scan# 565

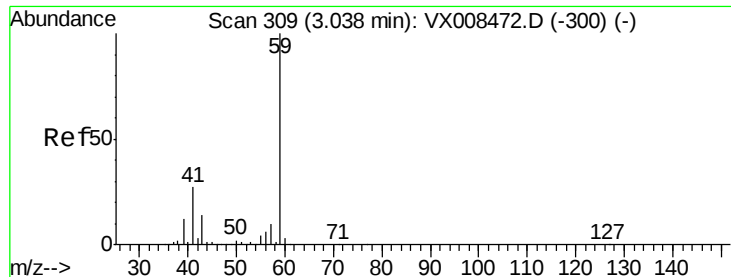
Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Tgt Ion:	96	Resp:	52005
Ion Ratio	Lower	Upper	
96	100		
61	160.9	103.5	155.3#
98	63.5	52.1	78.1





#23

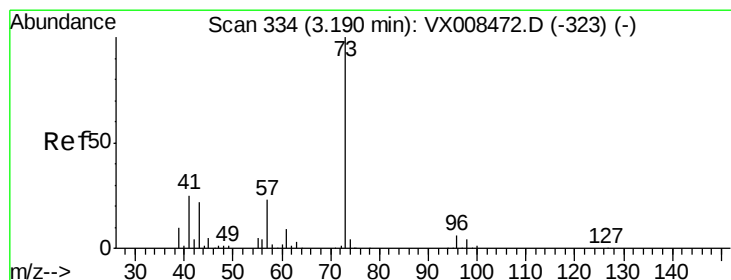
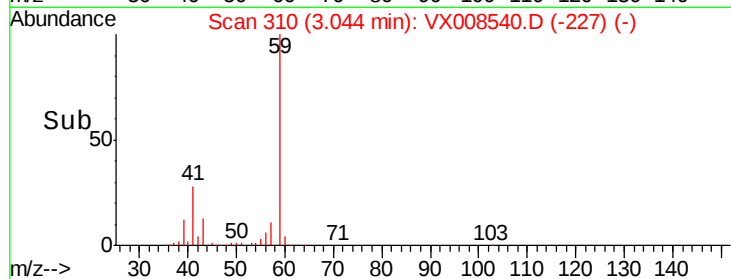
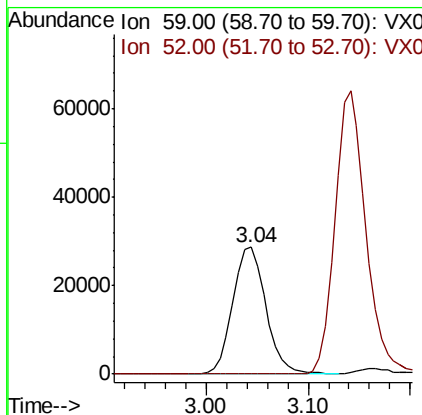
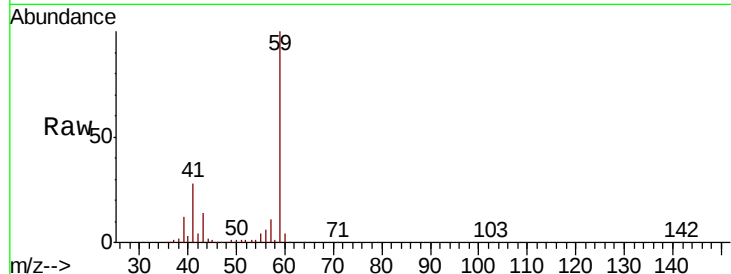
tert-Butyl Alcohol
 Concen: 98.385 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion: 59 Resp: 64864
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.2#

Manual Integrations
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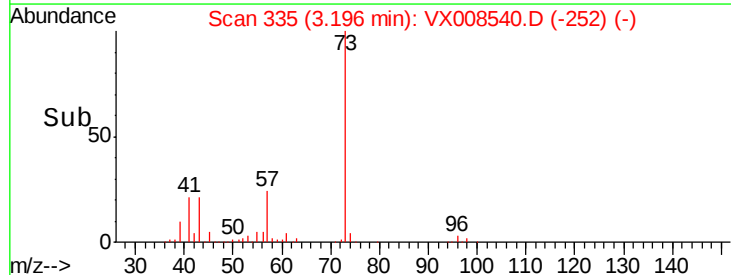
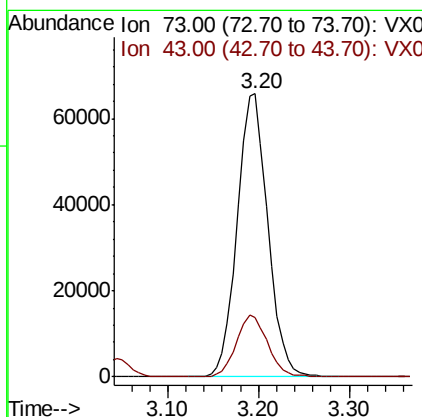
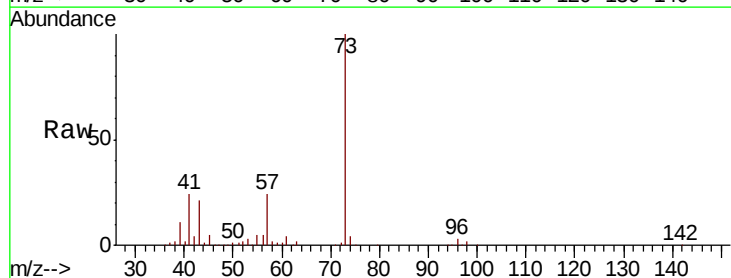
MMDadoda
 3/30/2019 9:50:22 AM

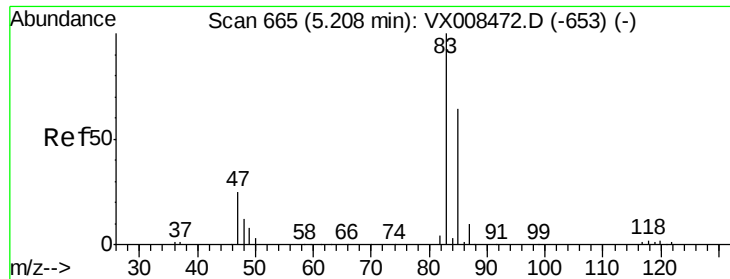


#24

Methyl tert-Butyl Ether
 Concen: 19.226 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion: 73 Resp: 153953
 Ion Ratio Lower Upper
 73 100
 43 22.1 17.1 25.7





#25

Chloroform

Concen: 19.411 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 83 Resp: 84118

Ion Ratio Lower Upper

83 100

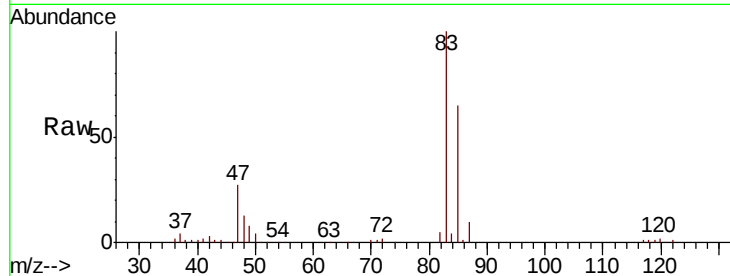
85 65.4 53.8 80.6

Manual Integrations

APPROVED

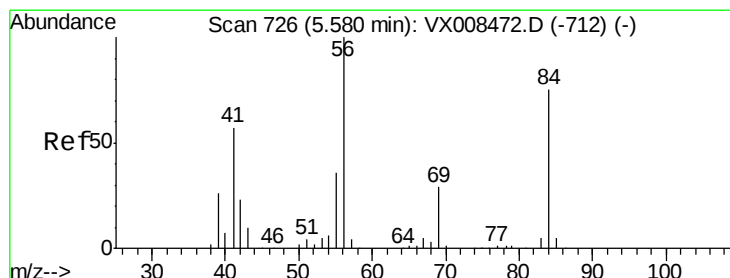
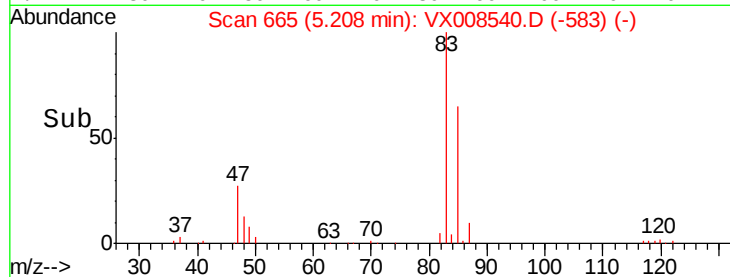
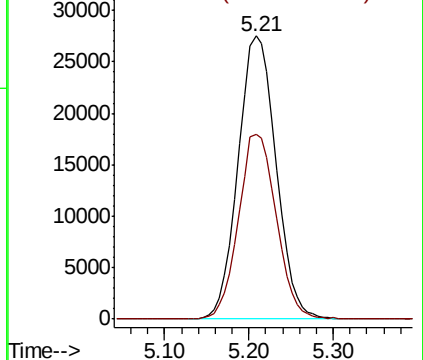
MMDadoda

3/30/2019 9:50:22 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 18.988 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

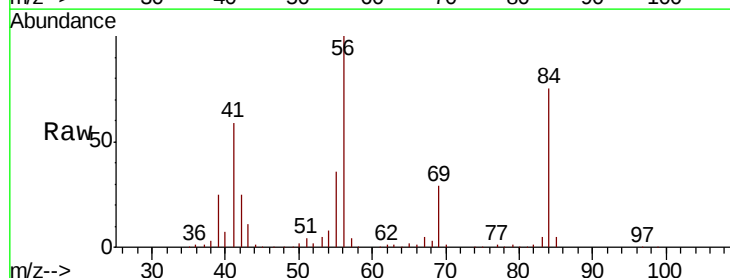
Tgt Ion: 56 Resp: 88252

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

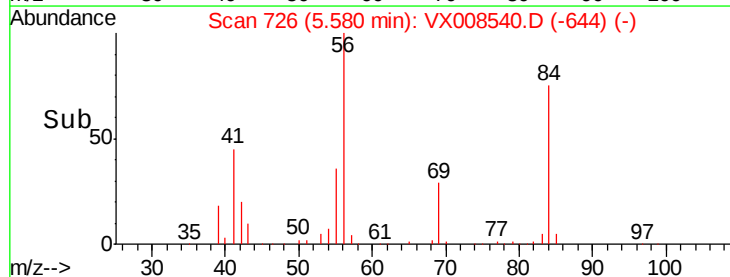
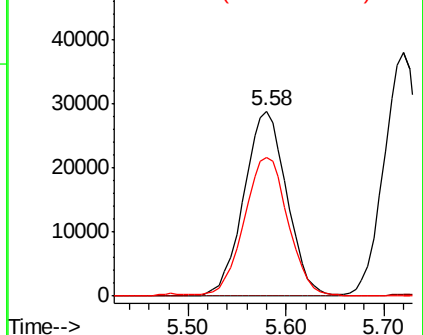
84 76.7 73.9 110.9

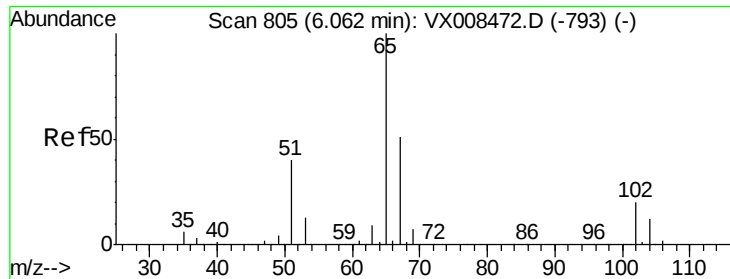


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





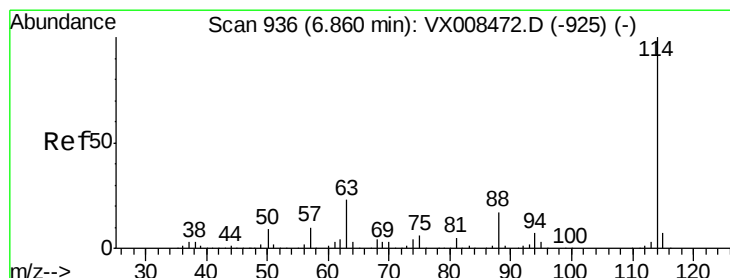
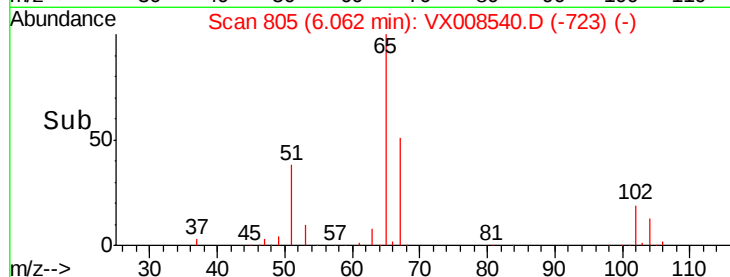
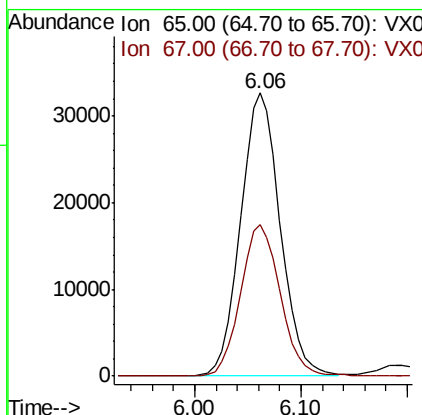
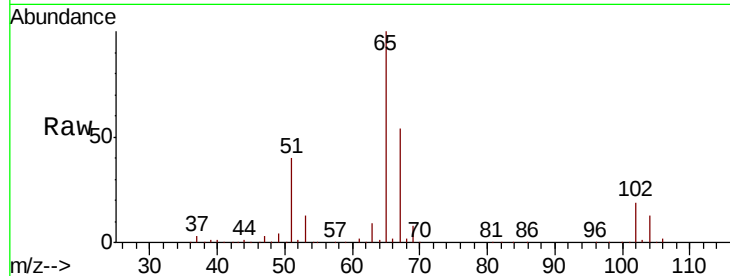
#27
 1,2-Dichloroethane-d4
 Concen: 29.629 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	42.9	64.3

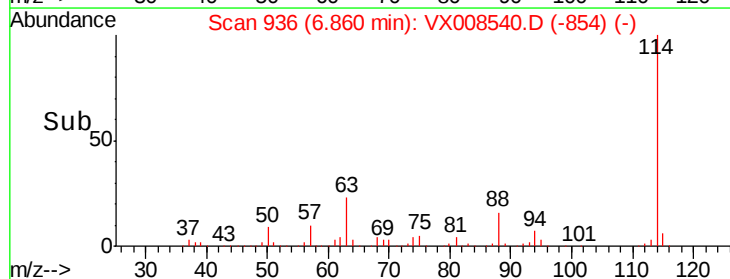
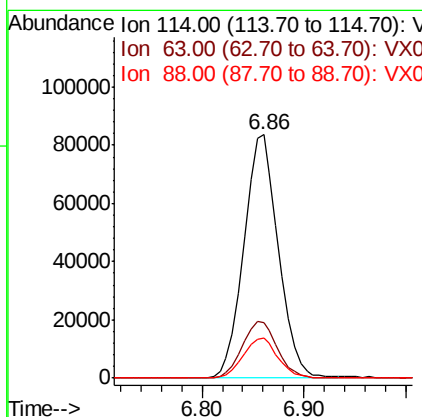
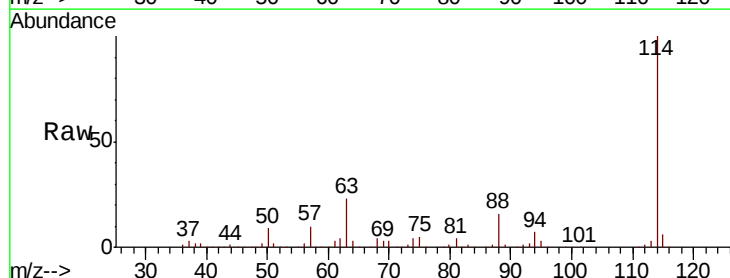
Manual Integrations
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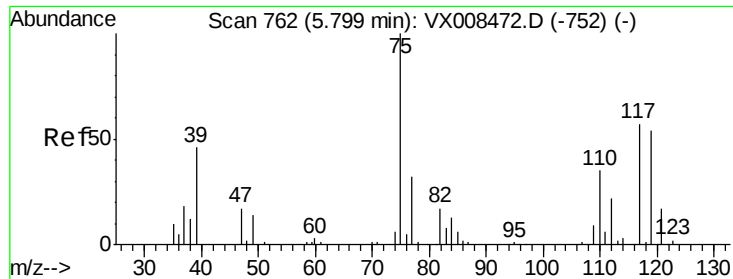
MMDadoda
 3/30/2019 9:50:22 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	14.2	21.4#
88	16.6	11.9	17.9





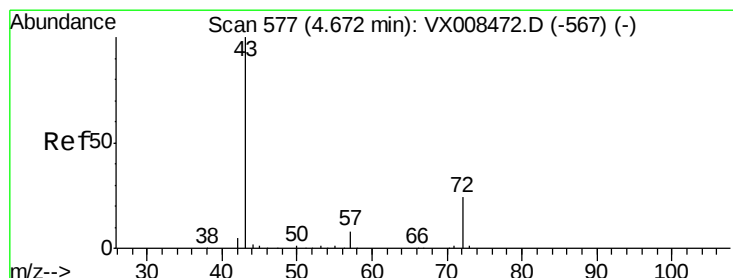
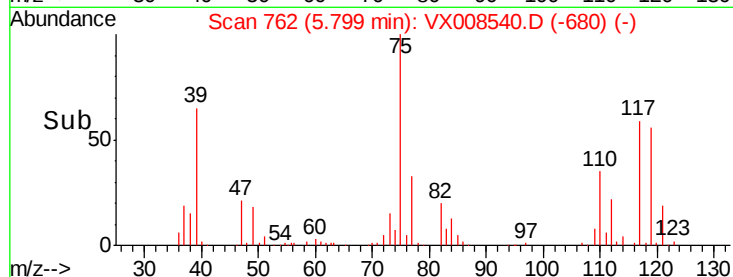
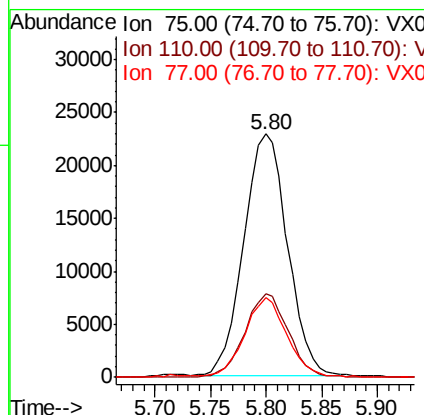
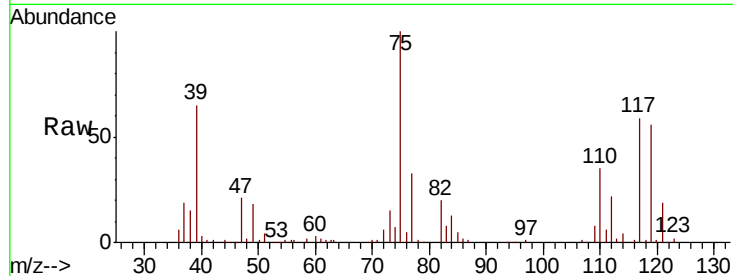
#29
 1,1-Dichloropropene
 Concen: 18.828 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.4	0.0	80.8
77	32.0	0.0	62.4

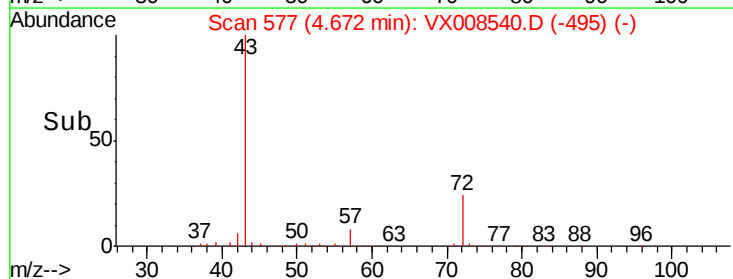
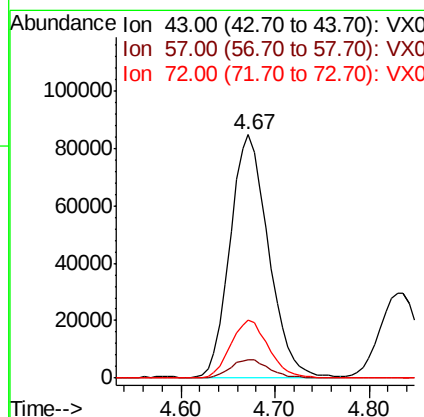
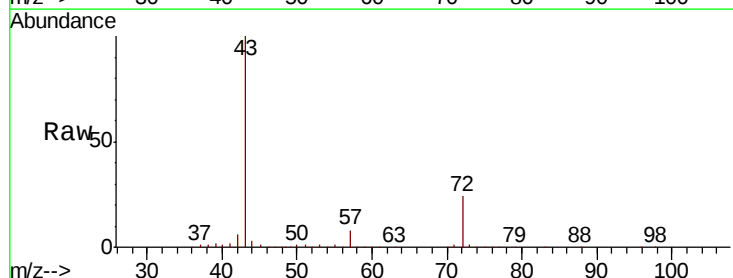
Manual Integrations
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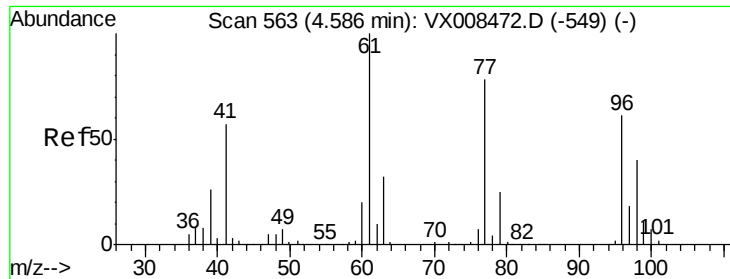
MMDadoda
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#30
 2-Butanone
 Concen: 97.988 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	7.0	10.6
72	23.1	21.5	32.3





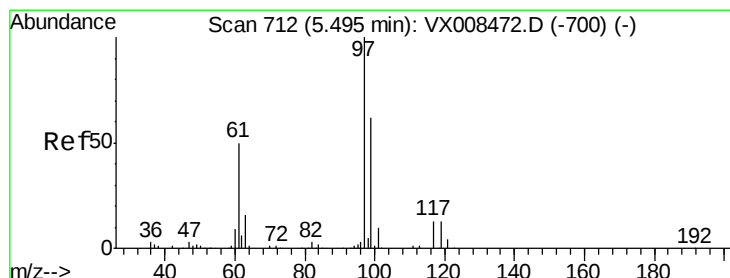
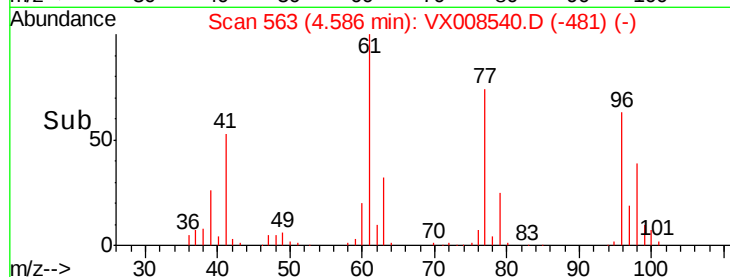
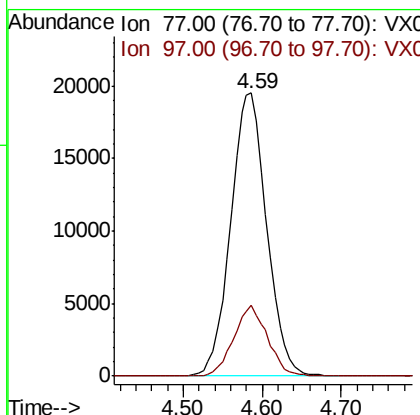
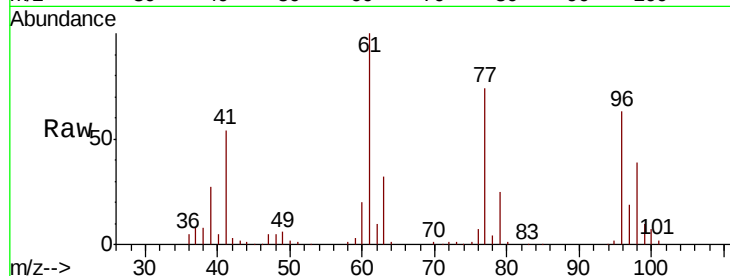
#31
 2,2-Dichloropropane
 Concen: 18.676 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion: 77 Resp: 61728
 Ion Ratio Lower Upper
 77 100
 97 23.5 20.6 31.0

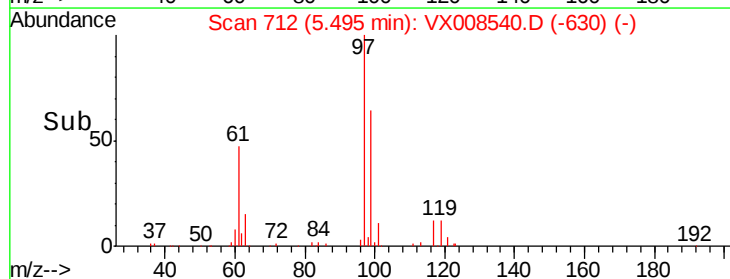
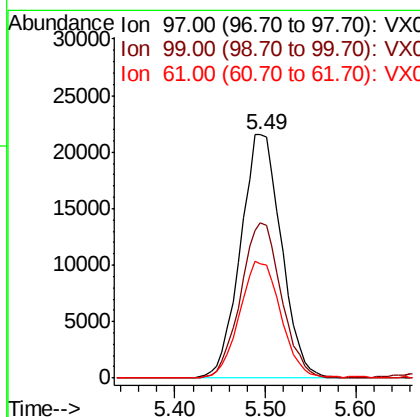
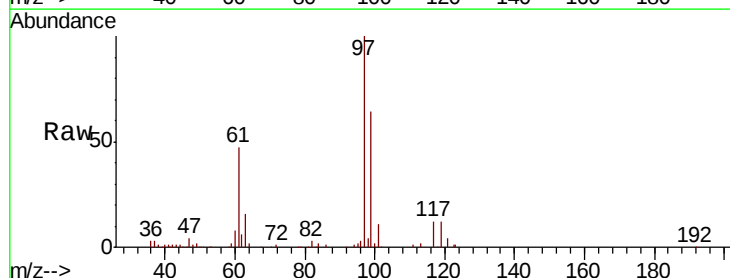
Manual Integrations
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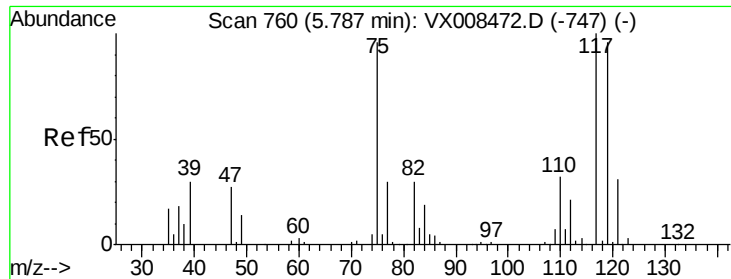
MMDadoda
 3/30/2019 9:50:22 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.557 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion: 97 Resp: 67211
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.7 77.5
 61 48.5 32.8 49.2





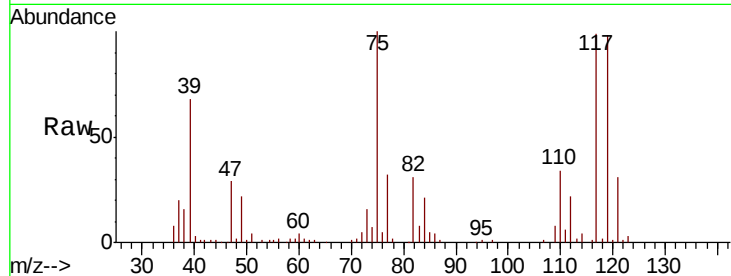
#33
Carbon Tetrachloride
Concen: 18.732 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.4	78.1	117.1
121	31.4	27.0	40.6

Manual Integrations
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3/30/2019 9:50:22 AM

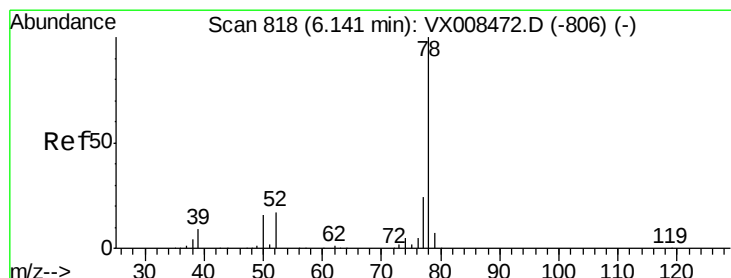
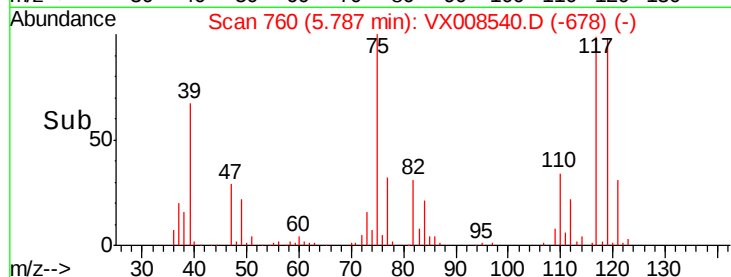
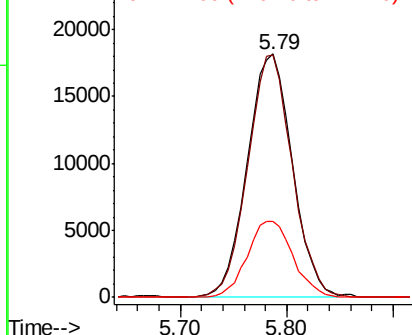


Abundance

Ion 117.00 (116.70 to 117.70): V

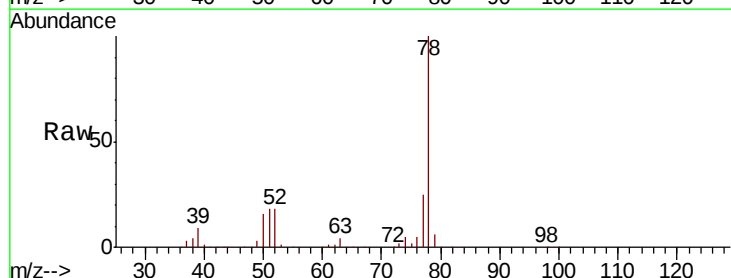
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 19.657 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.1	28.7
51	16.7	10.8	16.2#

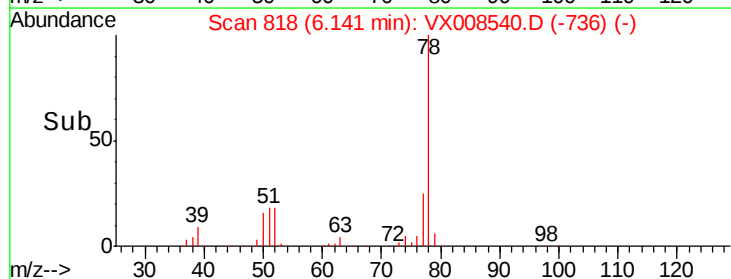
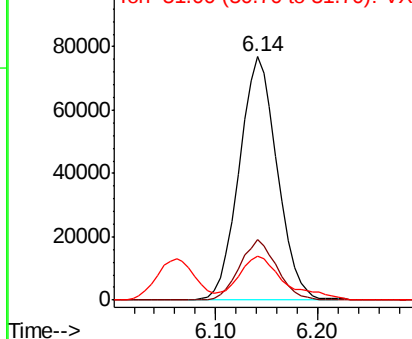


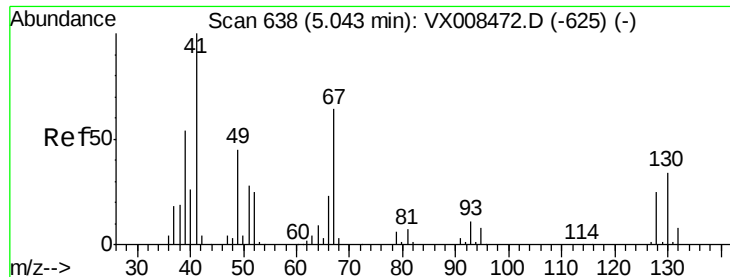
Abundance

Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





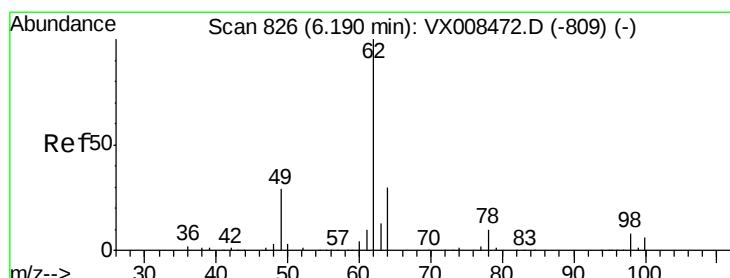
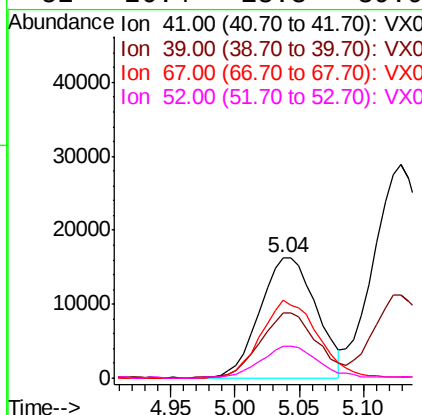
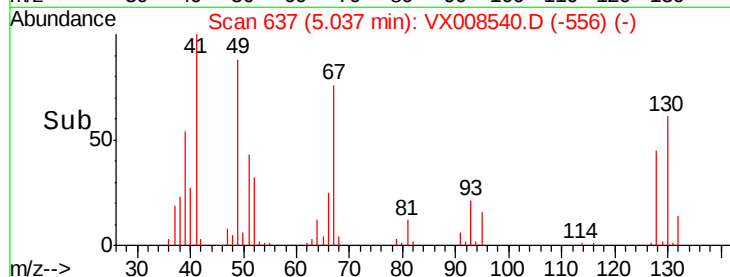
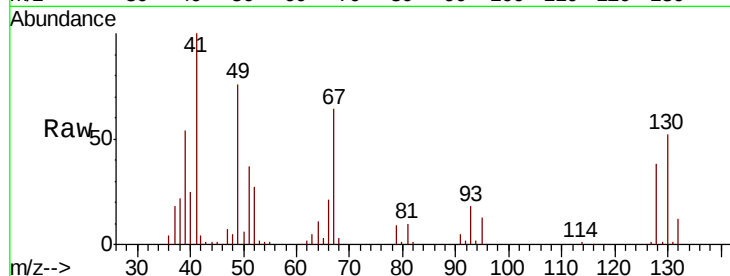
#35
Methacrylonitrile
Concen: 19.950 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	27.4	82.0	
67	63.9	37.9	113.6	
52	26.4	13.3	39.9	

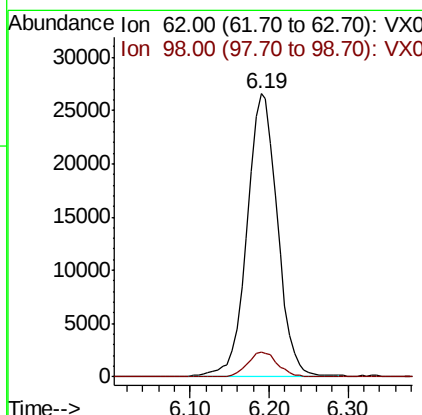
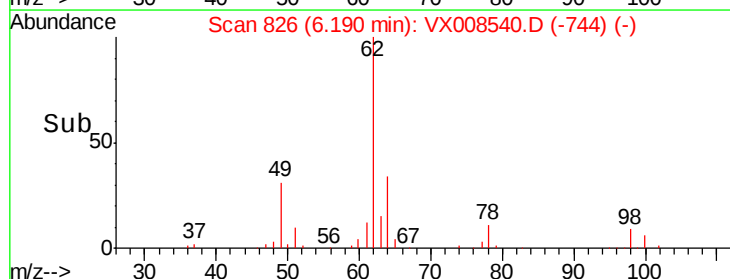
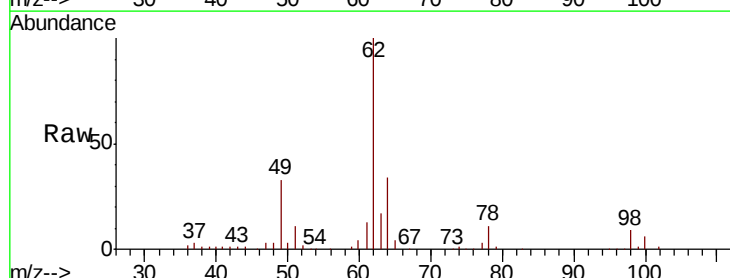
Manual Integrations
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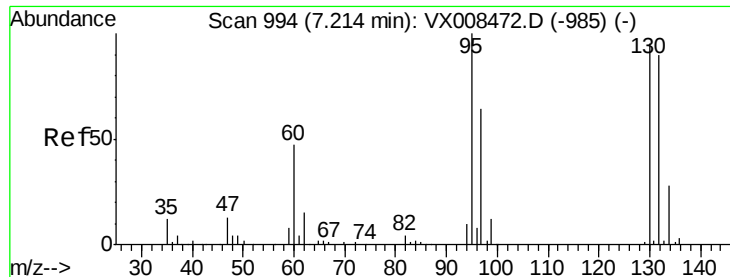
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3/30/2019 9:50:22 AM



#36
1,2-Dichloroethane
Concen: 19.809 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	7.8	11.8	





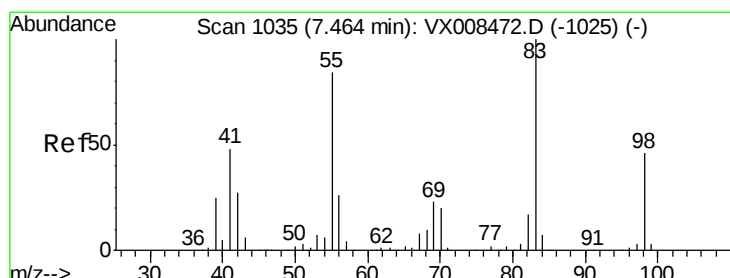
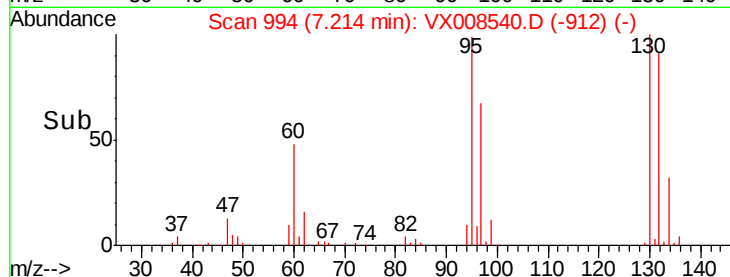
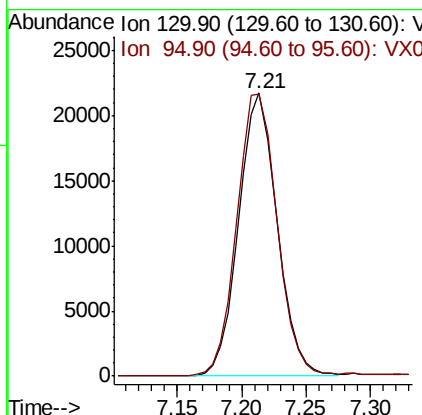
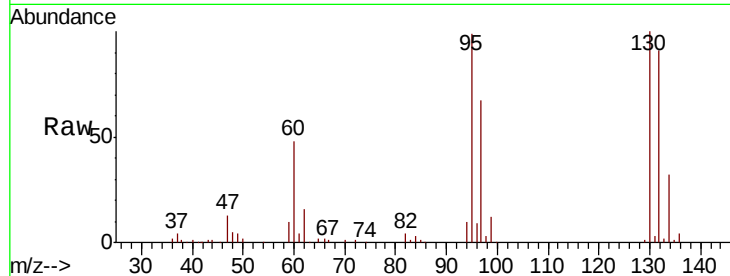
#37
 Trichloroethene
 Concen: 19.375 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion:130 Resp: 45075
 Ion Ratio Lower Upper
 130 100
 95 99.4 71.3 106.9

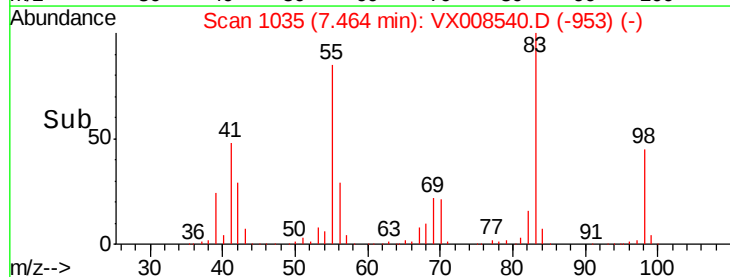
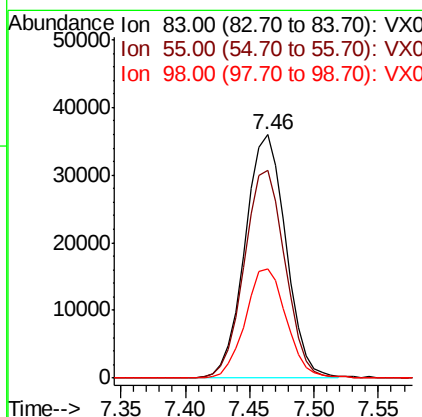
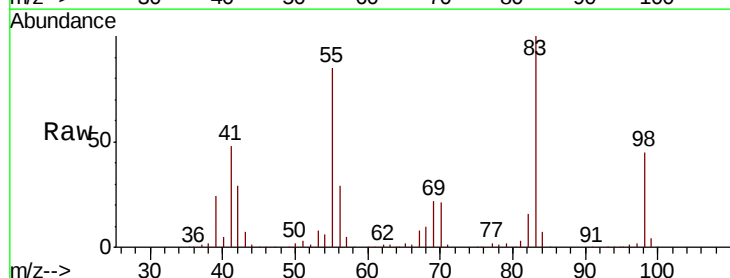
Manual Integrations
 APPROVED

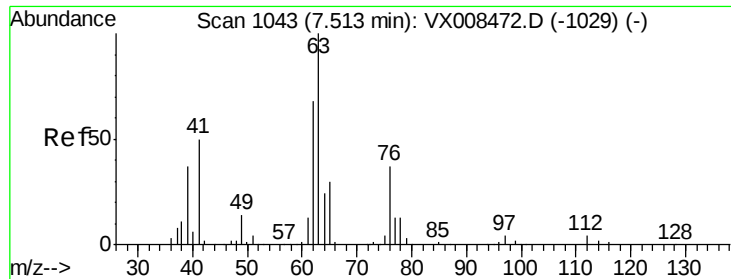
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 3/30/2019 9:50:22 AM



#38
 Methylcyclohexane
 Concen: 18.958 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion: 83 Resp: 79058
 Ion Ratio Lower Upper
 83 100
 55 85.4 36.0 108.0
 98 45.2 23.8 71.4





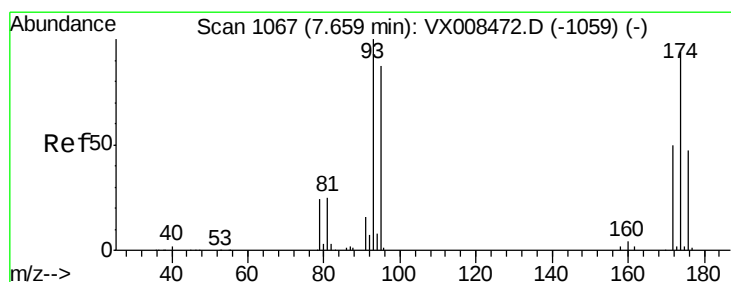
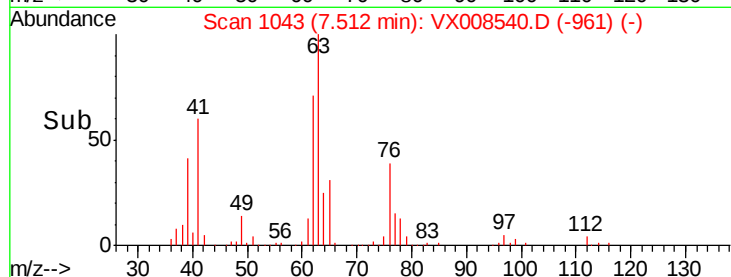
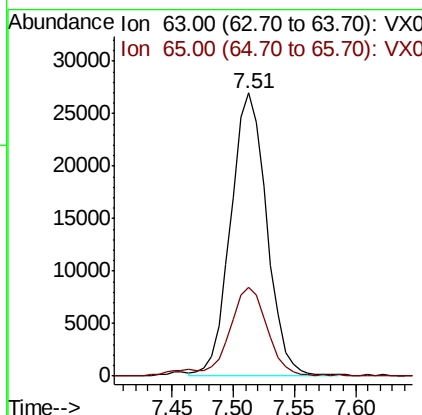
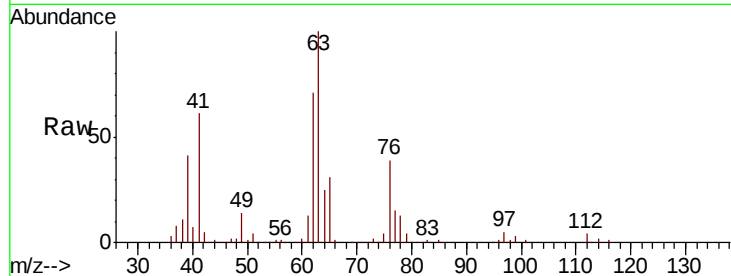
#39
 1,2-Dichloropropane
 Concen: 19.084 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion: 63 Resp: 54757
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

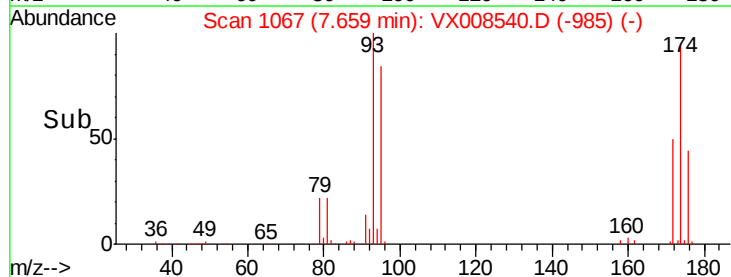
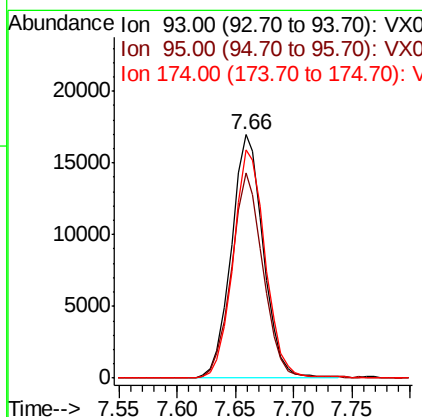
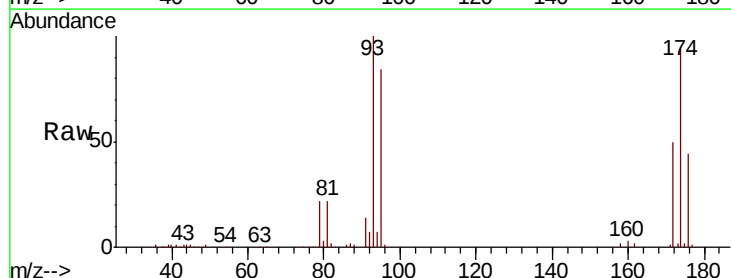
Manual Integrations
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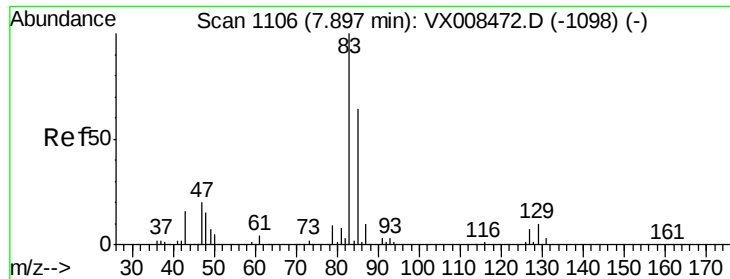
MMDadoda
 3/30/2019 9:50:22 AM



#40
 Dibromomethane
 Concen: 19.541 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion: 93 Resp: 32479
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 158.8
 174 93.8 0.0 224.2





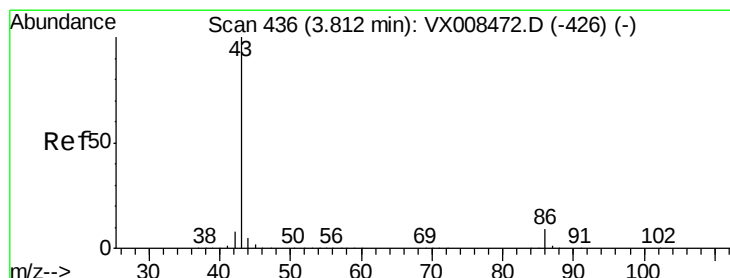
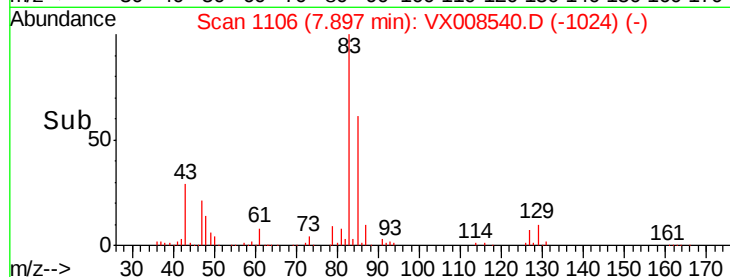
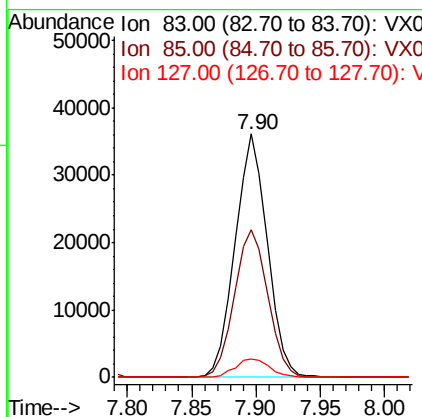
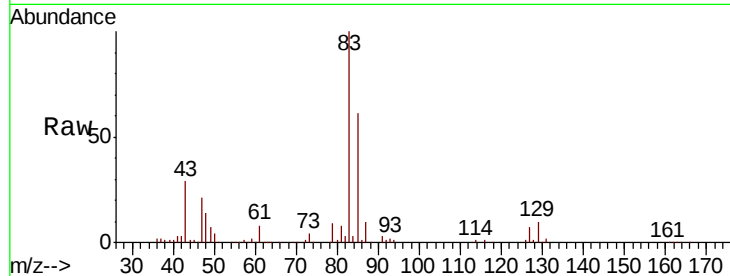
#41
Bromodichloromethane
Concen: 19.080 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	83	Resp	62355
Ion Ratio	100	Lower	Upper
83	100		
85	60.9	51.1	76.7
127	7.4	7.2	10.8

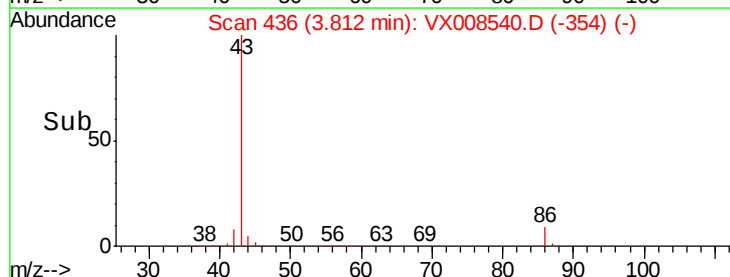
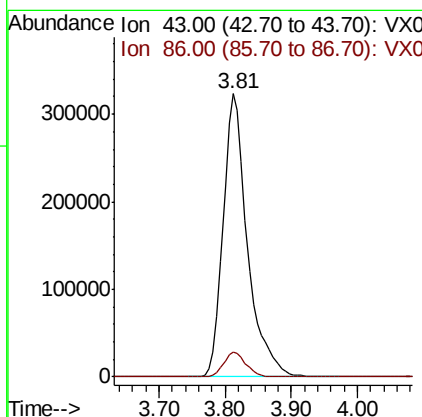
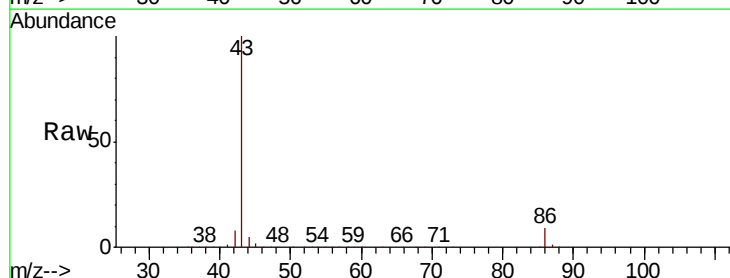
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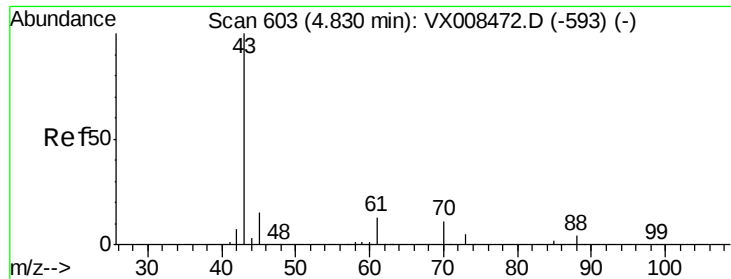
MMDadoda
3/30/2019 9:50:22 AM



#42
Vinyl Acetate
Concen: 100.004 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	43	Resp	824980
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	8.2	12.2#





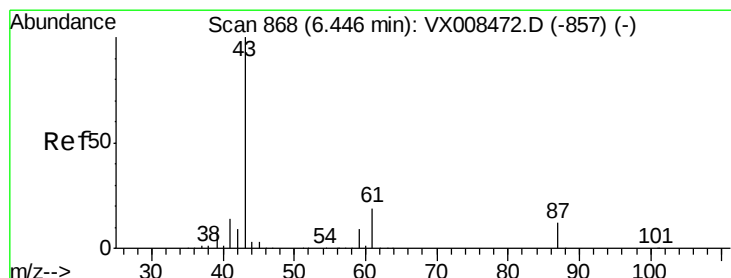
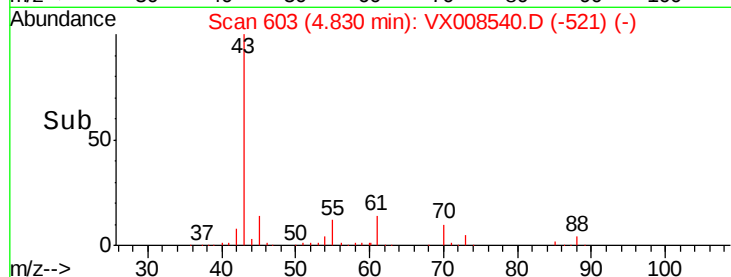
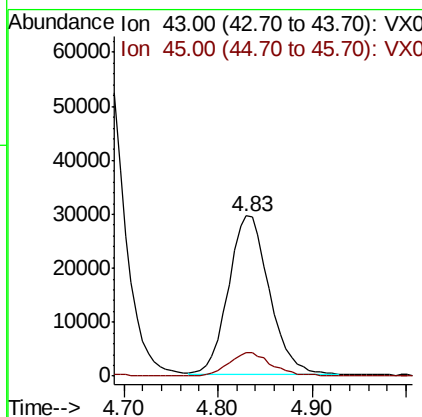
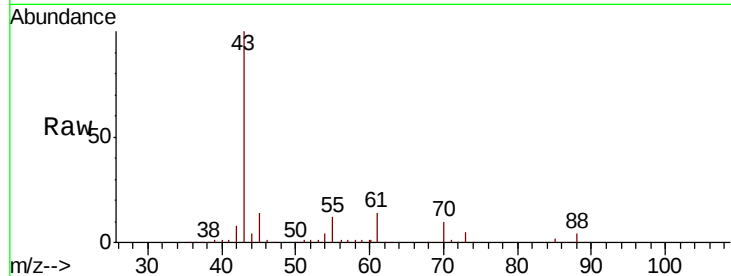
#43
Ethyl Acetate
Concen: 20.456 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion: 43 Resp: 89596
Ion Ratio Lower Upper
43 100
45 14.9 6.9 10.3#

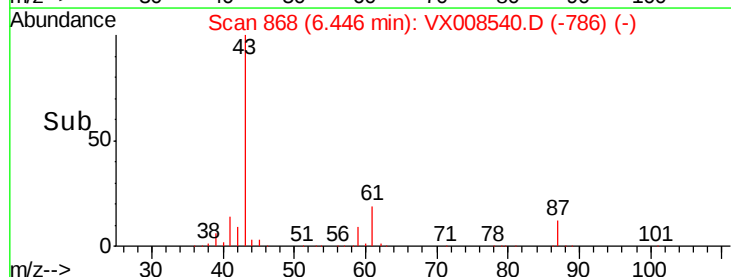
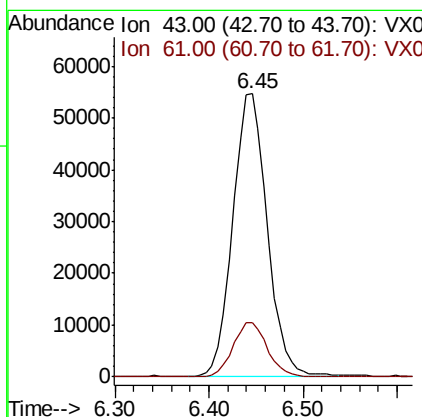
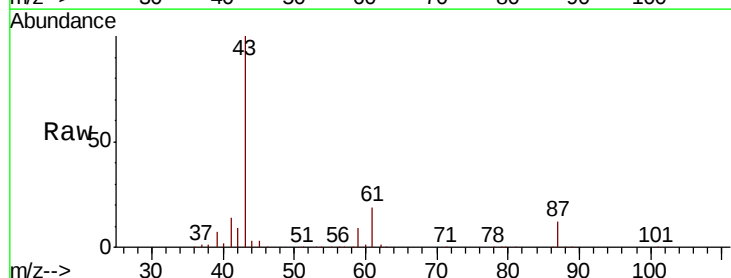
Manual Integrations
APPROVED

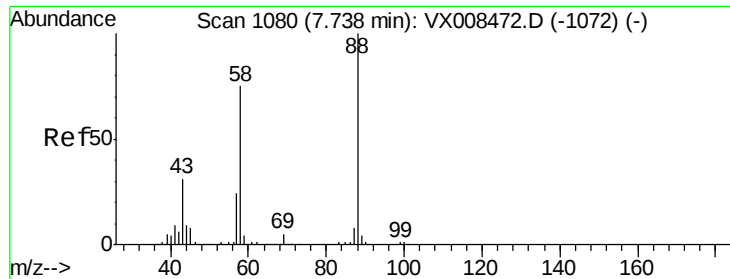
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.638 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion: 43 Resp: 139084
Ion Ratio Lower Upper
43 100
61 19.2 16.1 24.1





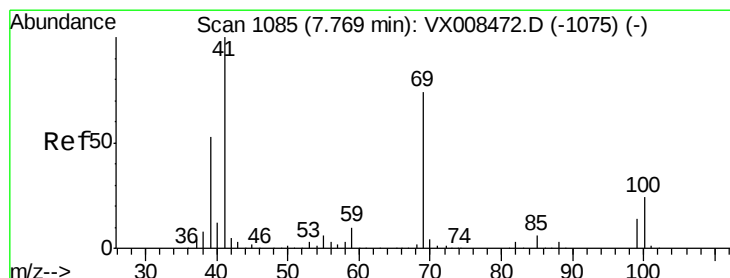
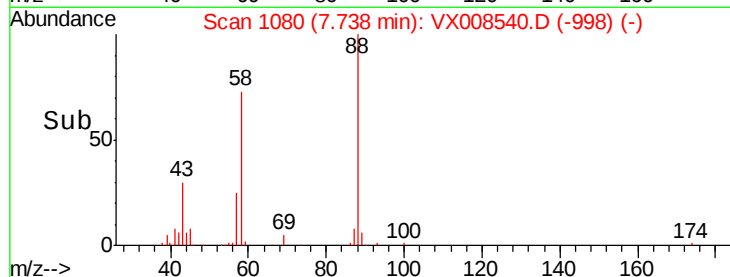
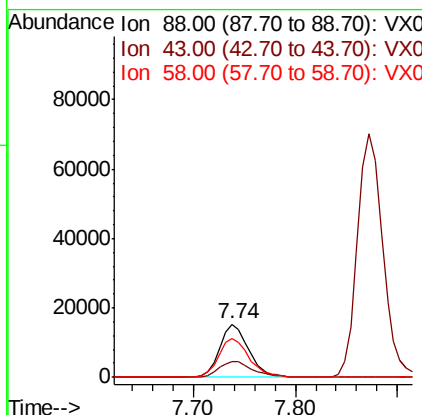
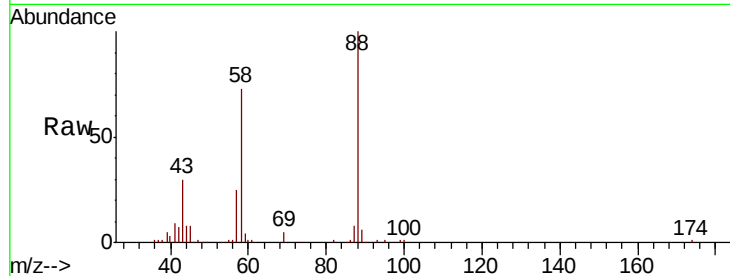
#45
 1,4-Dioxane
 Concen: 426.983 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	23.6	35.4
58	76.2	51.6	77.4

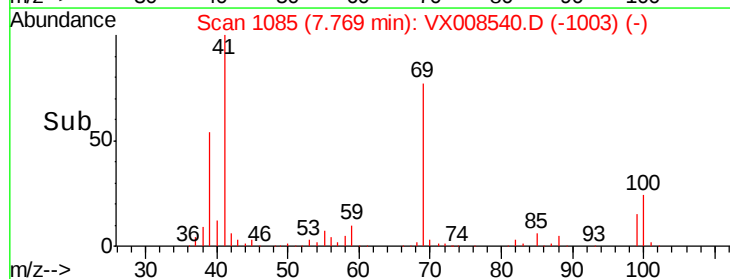
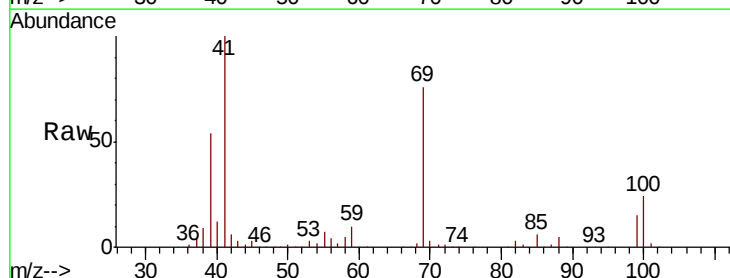
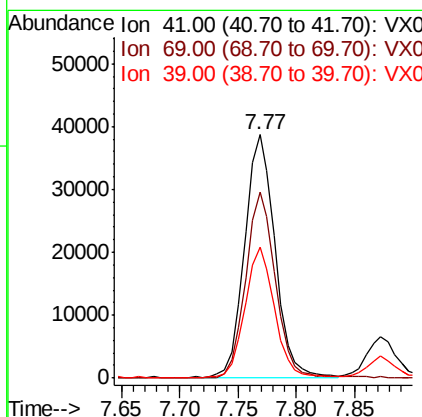
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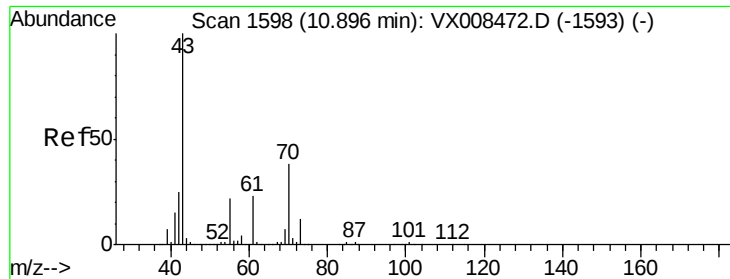
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#46
 Methyl methacrylate
 Concen: 19.470 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.6	44.2	132.6
39	53.8	29.9	89.8





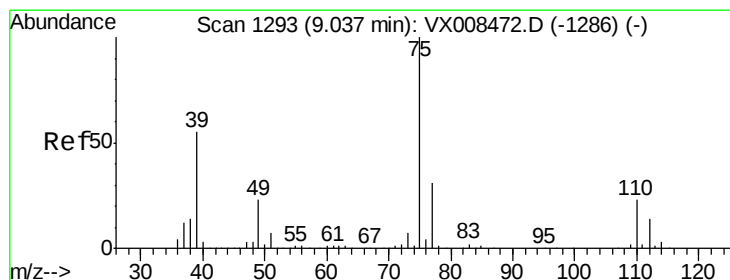
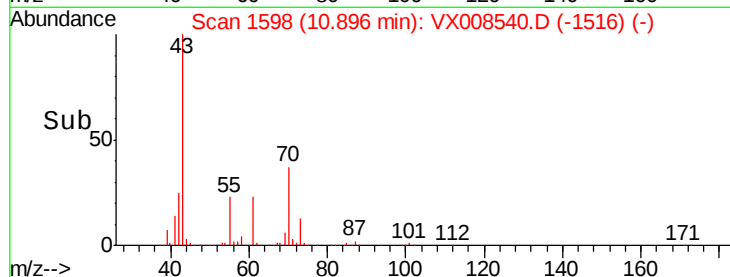
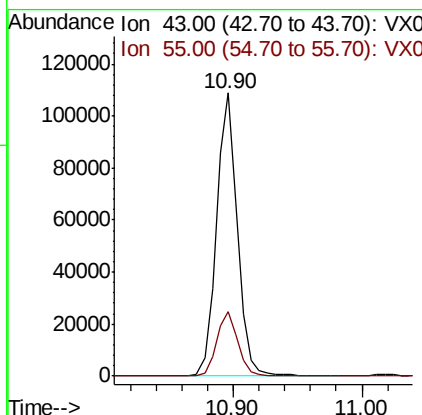
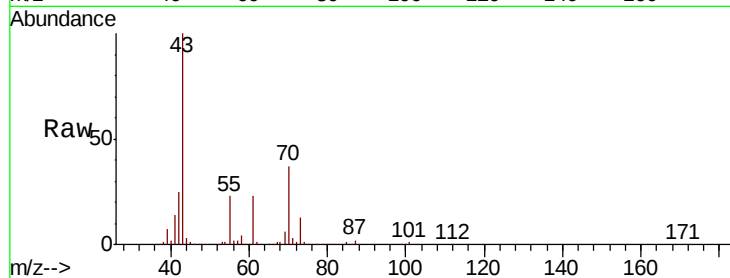
#47
n-amvl Acetate
Concen: 19.243 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	43	Resp	123797
Ion Ratio	100	Lower	Upper
43	100	20.8	31.2
55	23.2		

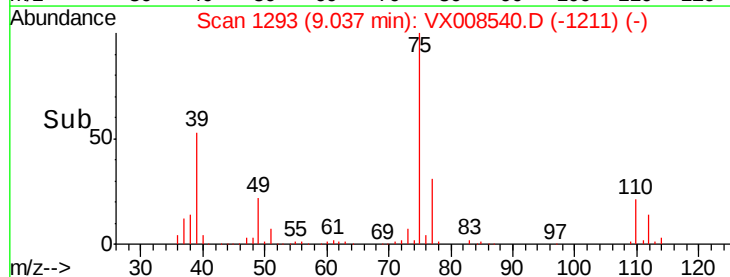
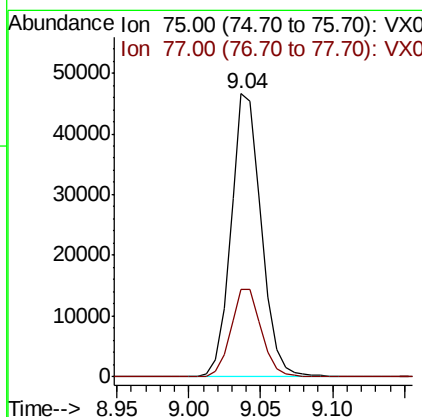
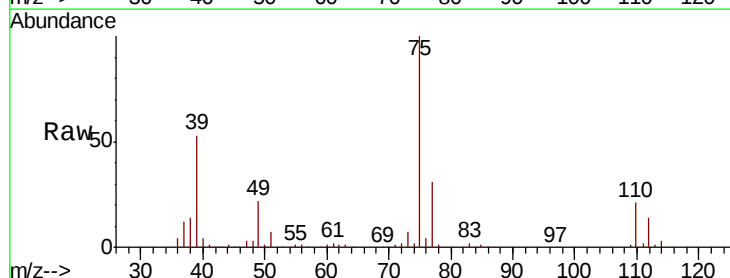
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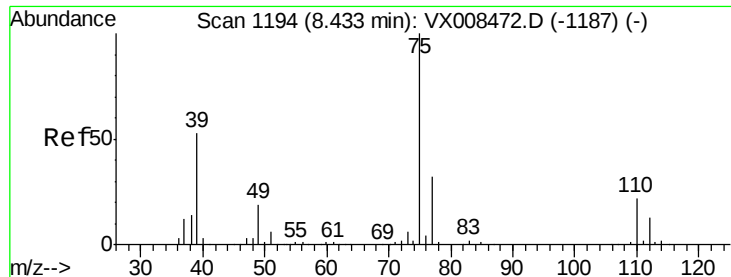
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#48
t-1,3-Dichloropropene
Concen: 18.523 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	75	Resp	68375
Ion Ratio	100	Lower	Upper
75	100	24.5	36.7
77	31.0		





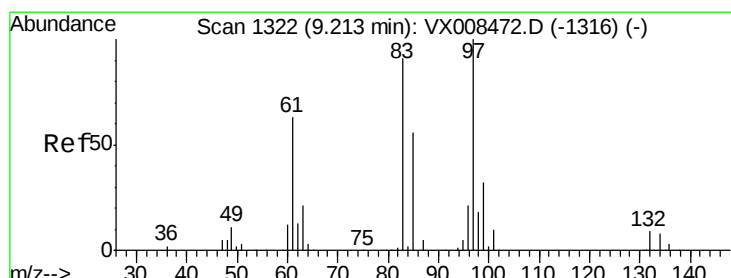
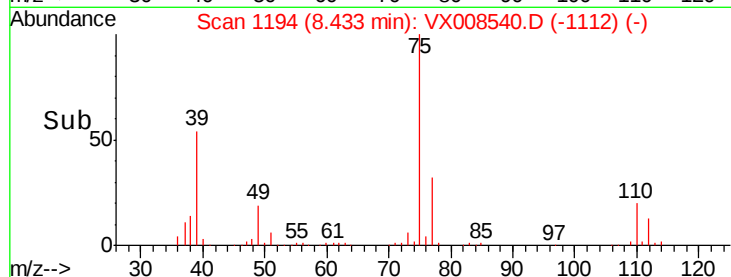
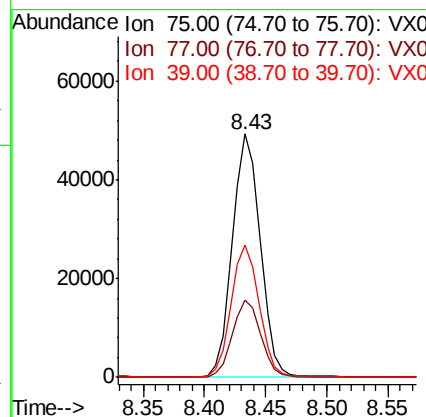
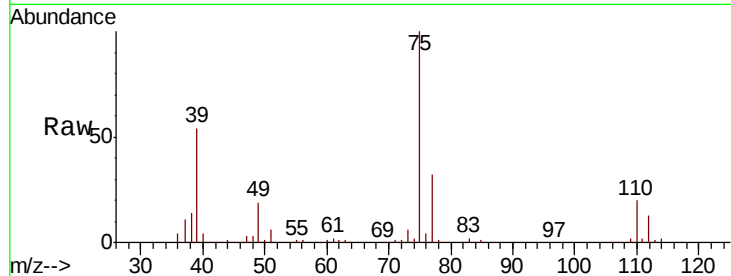
#49
 cis-1,3-Dichloropropene
 Concen: 18.884 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	54.0	38.5	57.7

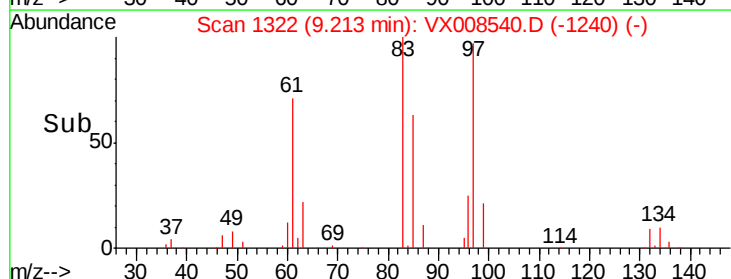
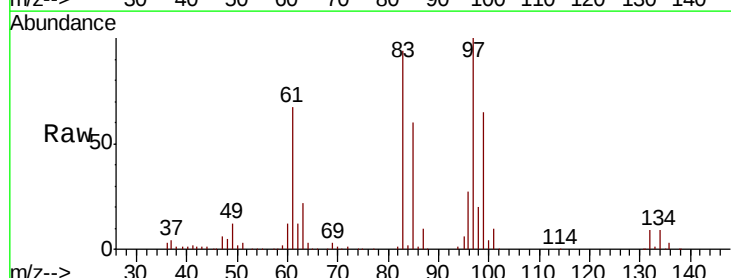
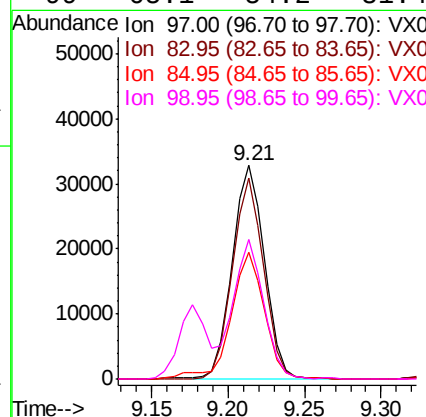
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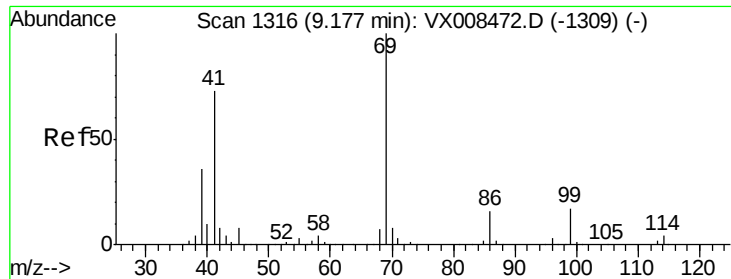
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#50
 1,1,2-Trichloroethane
 Concen: 19.212 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.0	72.0	108.0
85	59.5	45.0	67.6
99	65.1	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.146 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

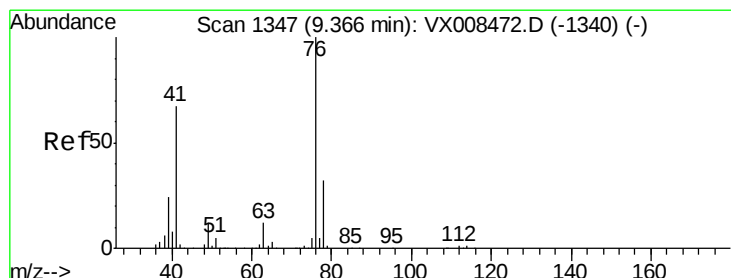
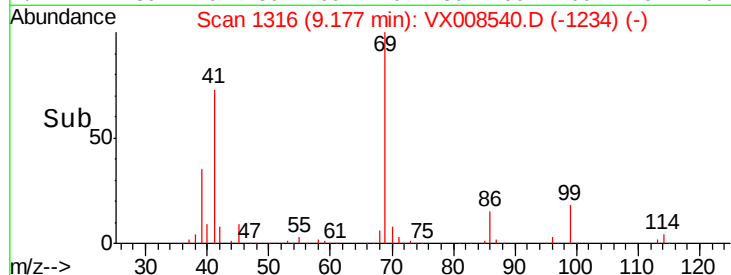
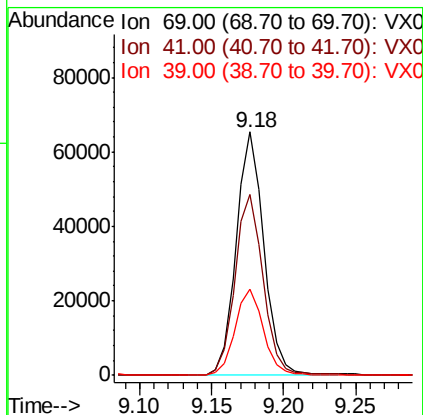
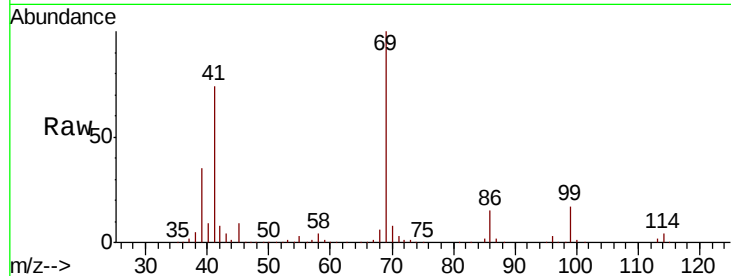
ClientSampleId :

VX0329WBS01

Tot Ion:	69	Resp:	87933
Ion Ratio	Lower	Upper	
69	100		
41	74.2	32.1	96.5
39	35.2	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 19.670 ug/l

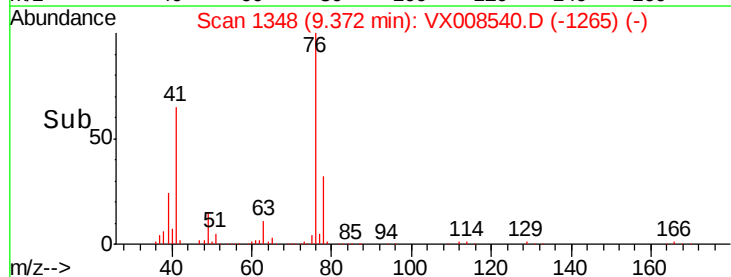
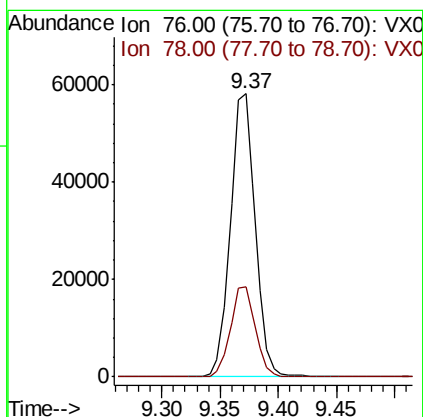
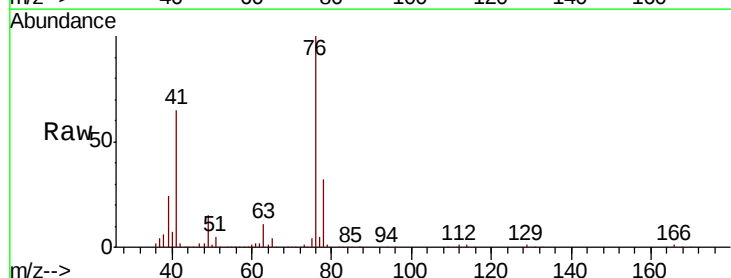
RT: 9.37 min Scan# 1348

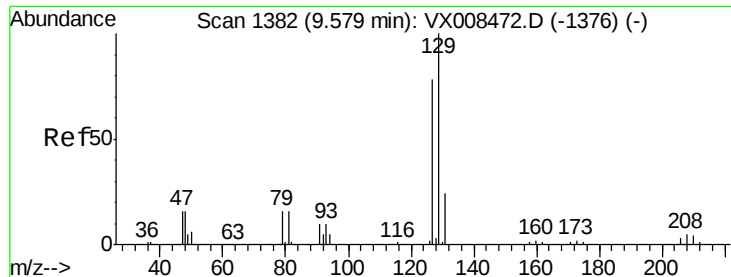
Delta R.T. 0.01 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Tgt Ion:	76	Resp:	86365
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	65.2





#53

Dibromochloromethane

Concen: 18.614 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion:129 Resp: 45207

Ion Ratio Lower Upper

129 100

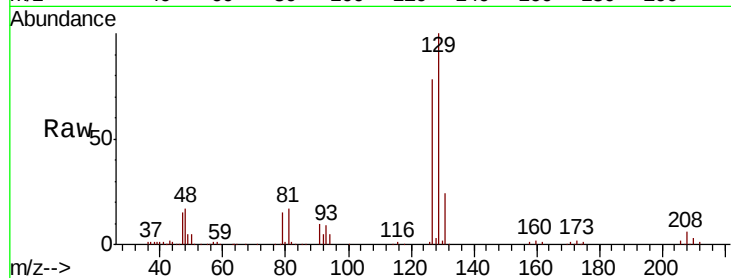
127 76.4 38.4 115.2

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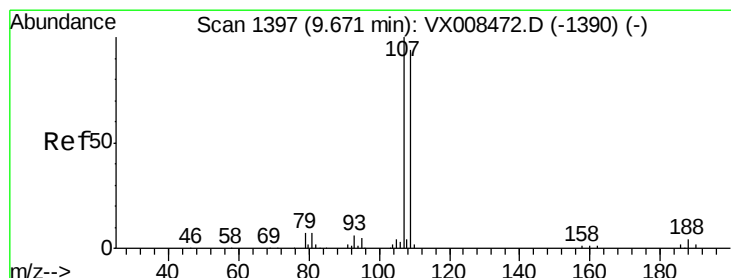
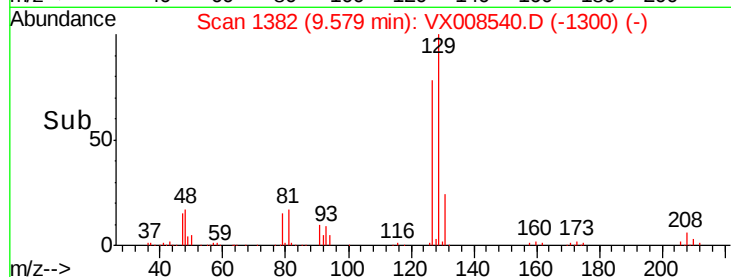
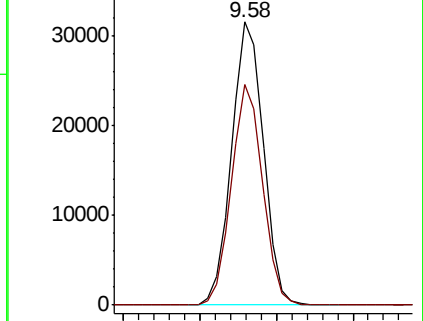
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.540 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008540.D

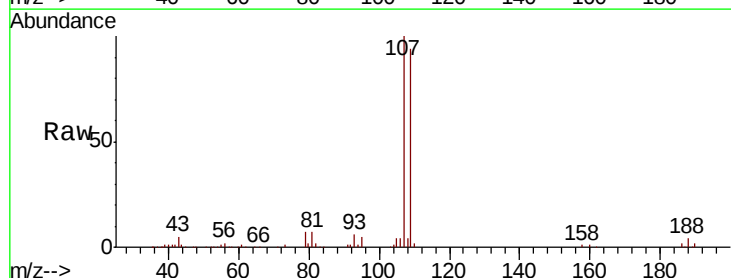
Acq: 29 Mar 2019 13:43

Tgt Ion:107 Resp: 49713

Ion Ratio Lower Upper

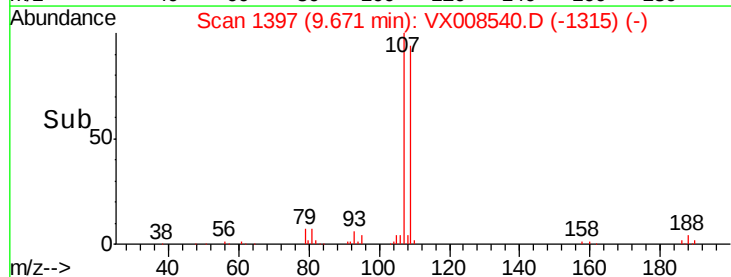
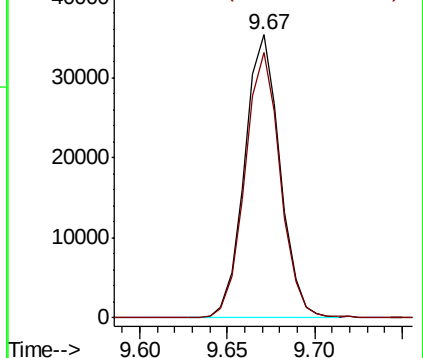
107 100

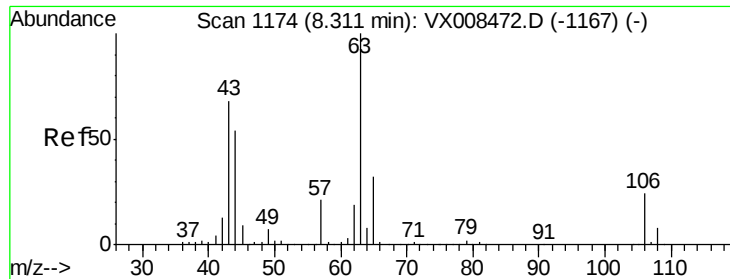
109 93.5 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





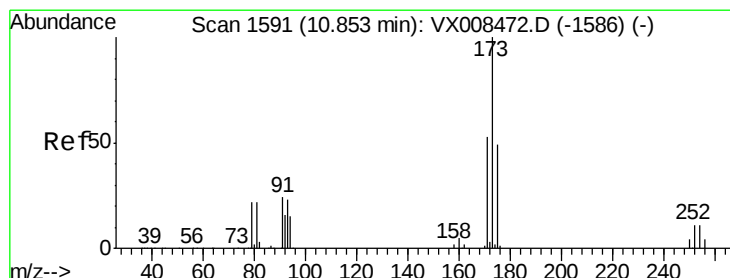
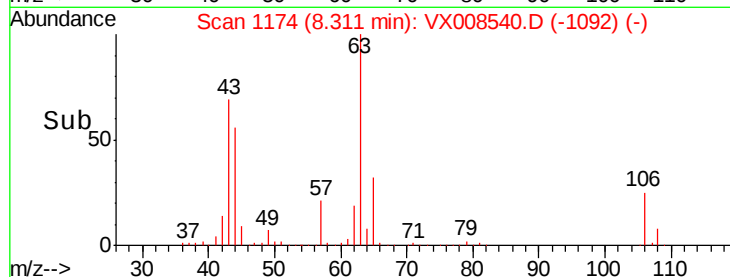
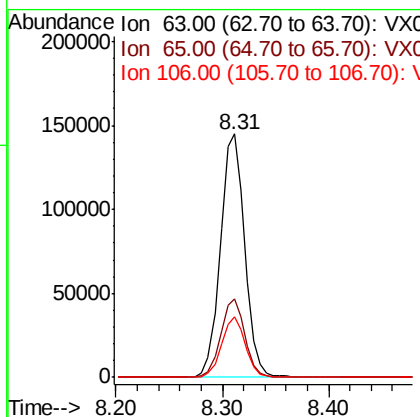
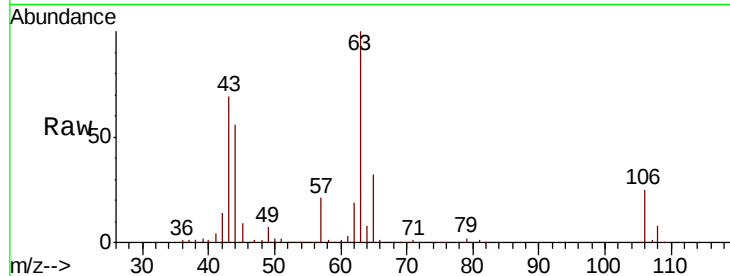
#55
2-Chloroethyl vinyl ether
Concen: 99.539 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.7	38.5
106	24.1	23.7	35.5

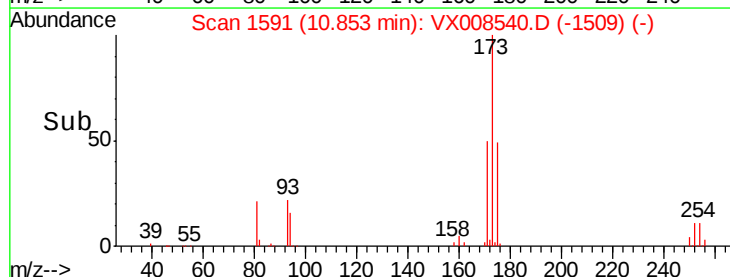
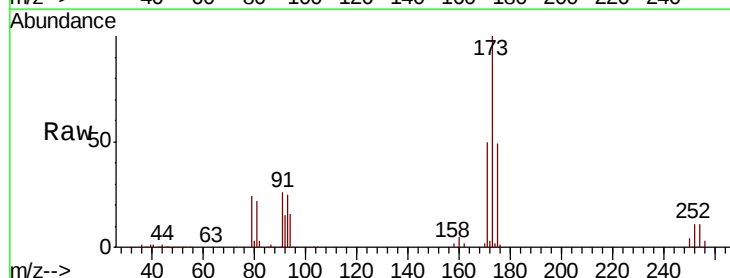
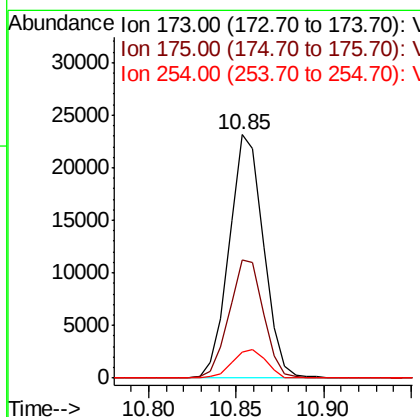
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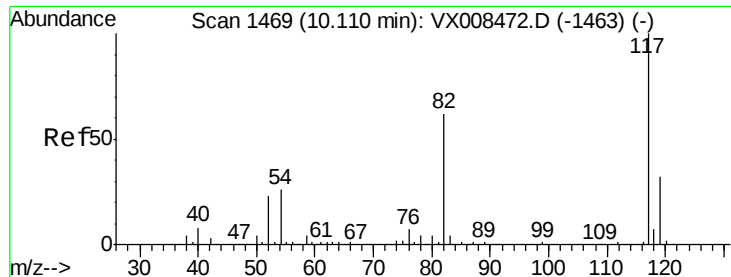
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#56
Bromoform
Concen: 17.849 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.5	57.7
254	11.4	7.4	11.2





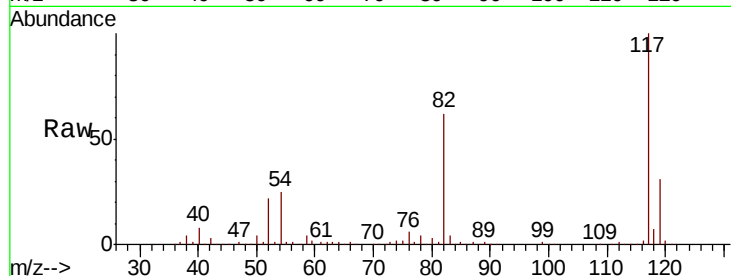
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

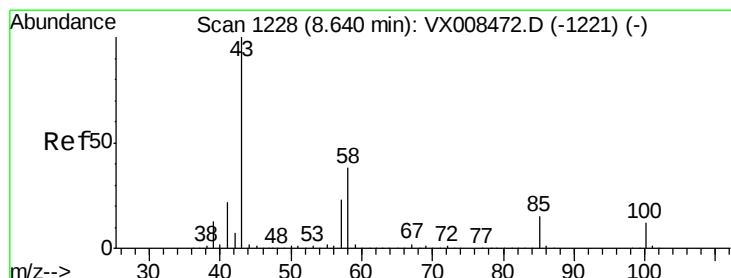
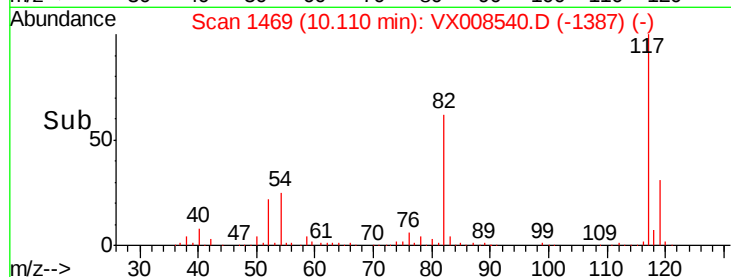
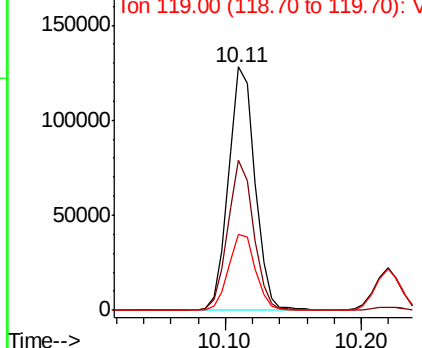
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	40.4	60.6
119	32.0	25.8	38.6

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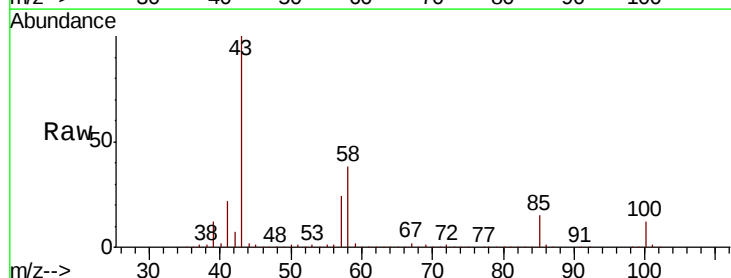


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

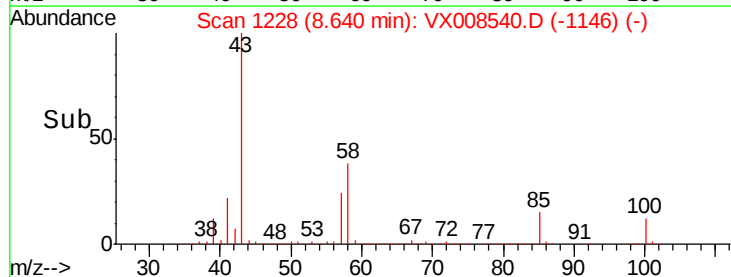
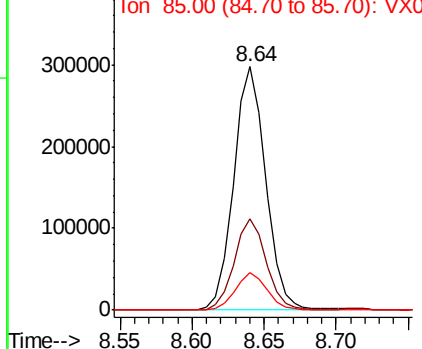


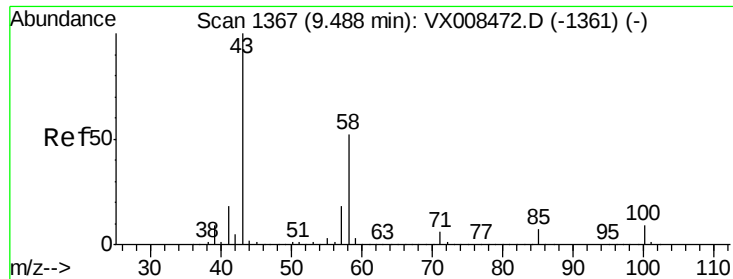
#58
4-Methyl-2-Pentanone
Concen: 100.548 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.5	31.4	47.0
85	15.0	15.0	22.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





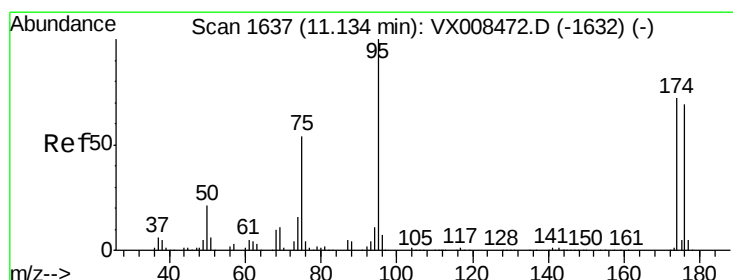
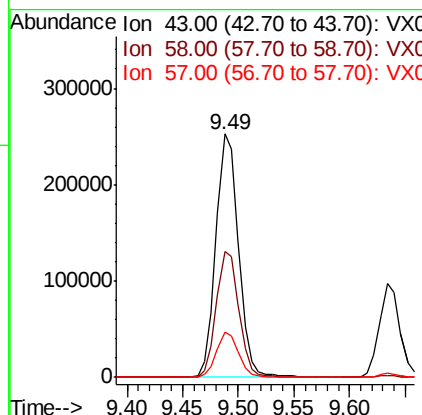
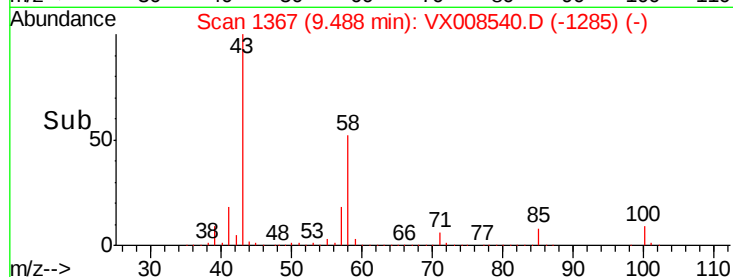
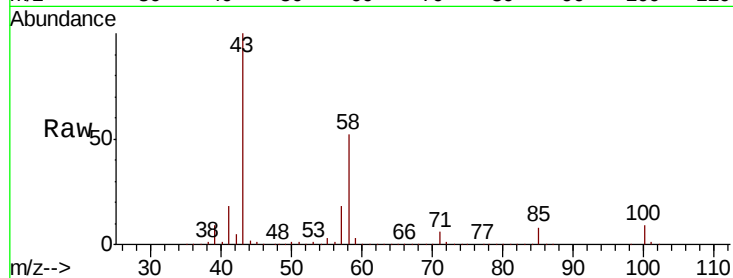
#59
2-Hexanone
Concen: 98.642 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.9	65.9
57	18.2	14.9	22.3

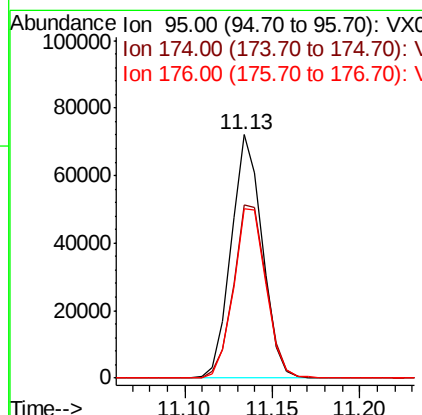
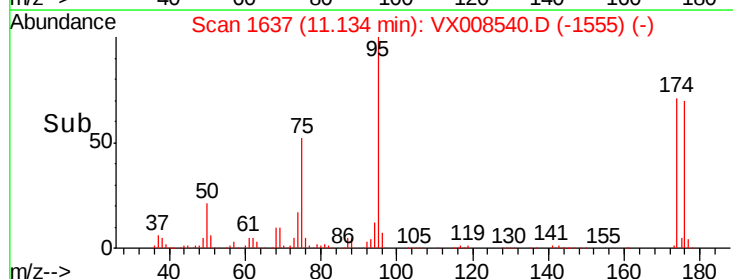
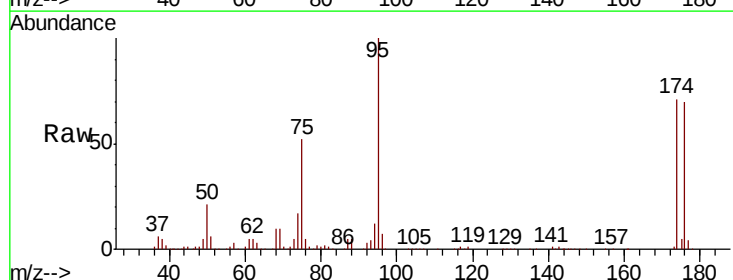
Manual Integrations
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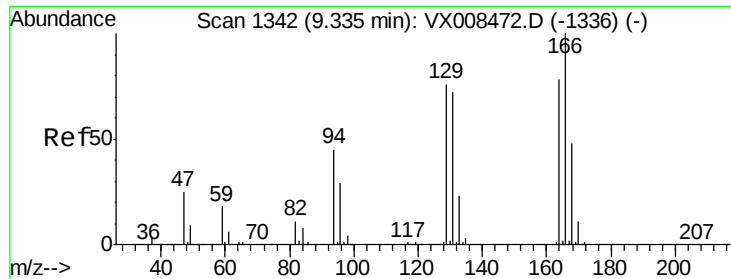
MMDadoda
3/30/2019 9:50:22 AM



#60
4-Bromofluorobenzene
Concen: 29.452 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	74.9	112.3
176	73.2	70.7	106.1





#61

Tetrachloroethene

Concen: 20.130 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion:164 Resp: 38259

Ion Ratio Lower Upper

164 100

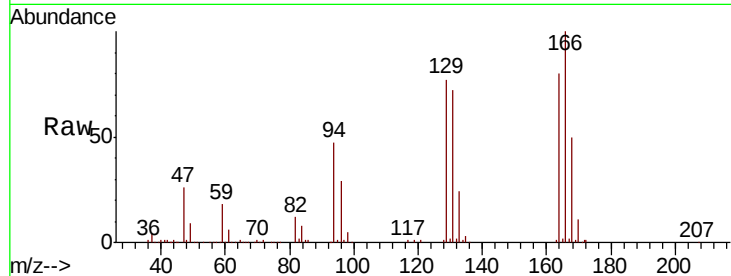
166 124.6 103.9 155.9

129 95.5 74.7 112.1

131 90.1 71.7 107.5

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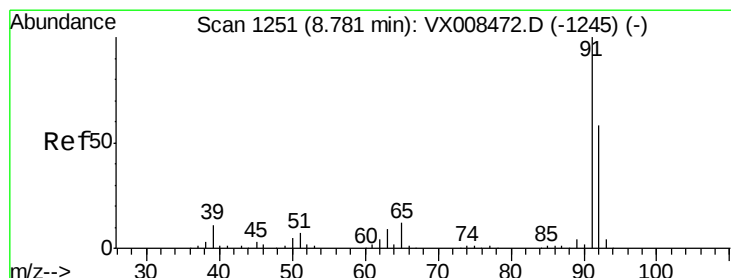
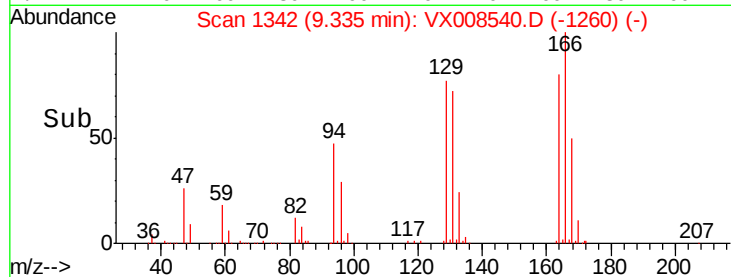
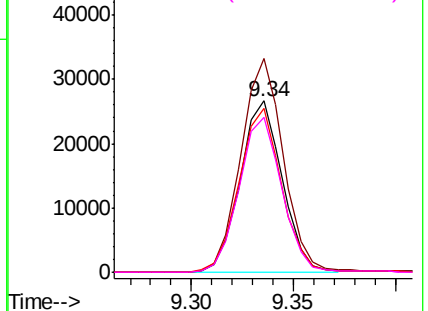
Abundance

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: 19.823 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008540.D

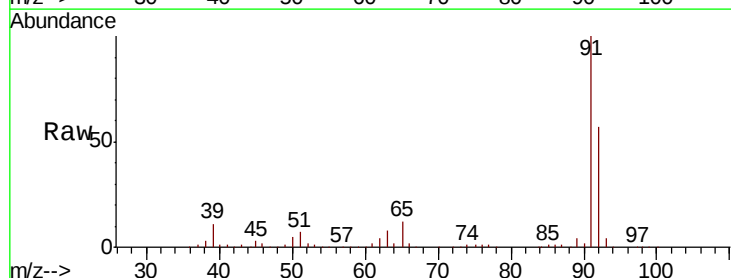
Acq: 29 Mar 2019 13:43

Tgt Ion: 91 Resp: 208546

Ion Ratio Lower Upper

91 100

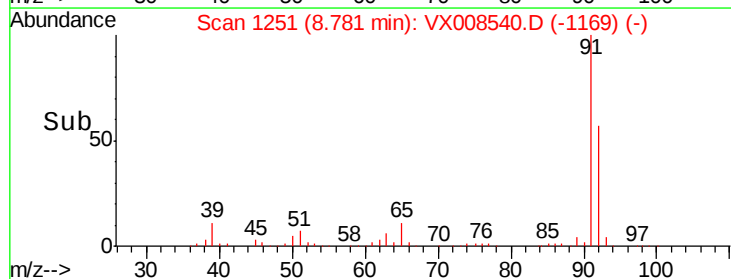
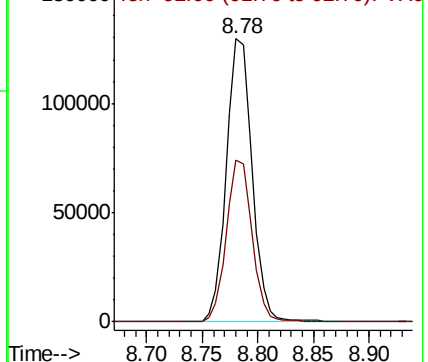
92 57.3 46.4 69.6

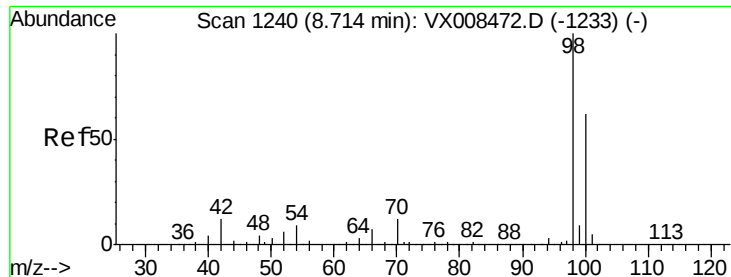


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.415 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 98 Resp: 250860

Ion Ratio Lower Upper

98 100

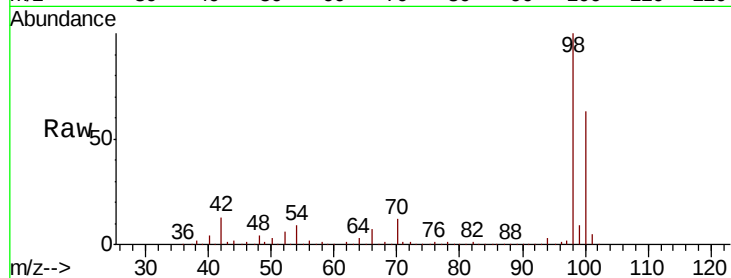
100 64.0 50.9 76.3

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Abundance Ion 98.00 (97.70 to 98.70): VX008472.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX008472.D (-1233) (-)

8.71

150000

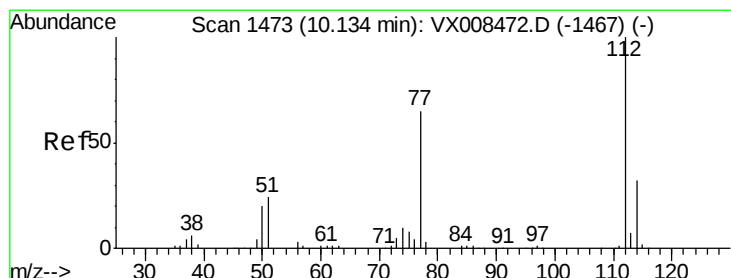
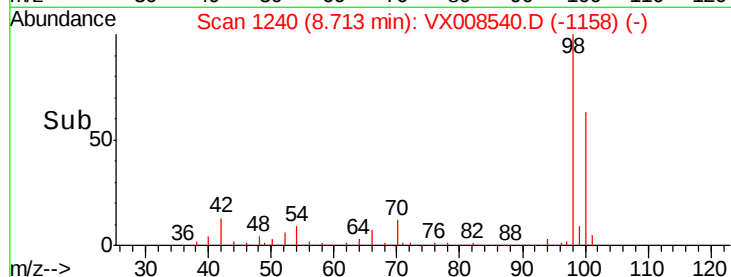
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 19.500 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008540.D

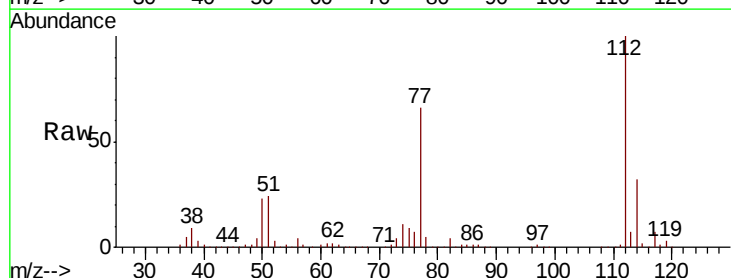
Acq: 29 Mar 2019 13:43

Tgt Ion: 112 Resp: 120207

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VX008472.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX008472.D (-1467) (-)

10.13

100000

80000

60000

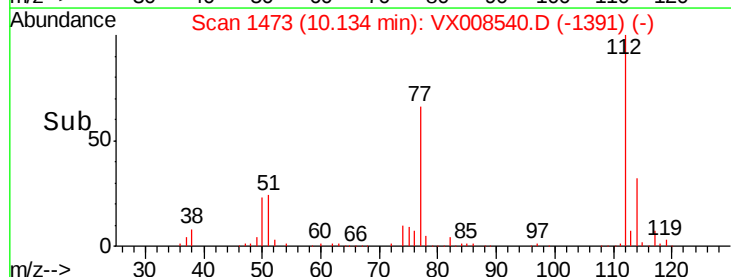
40000

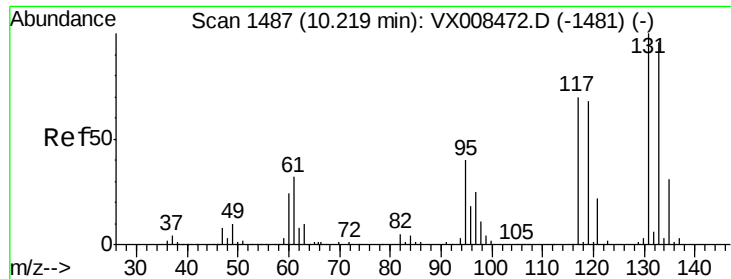
20000

0

10.05 10.10 10.15 10.20

Time-->





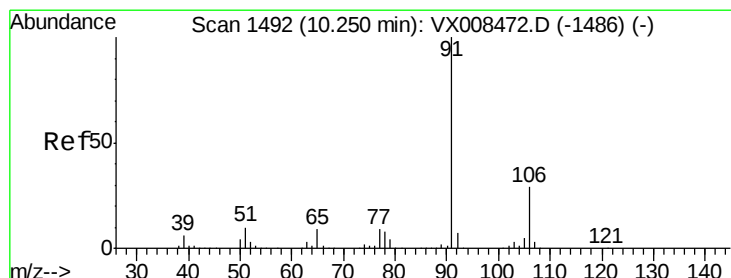
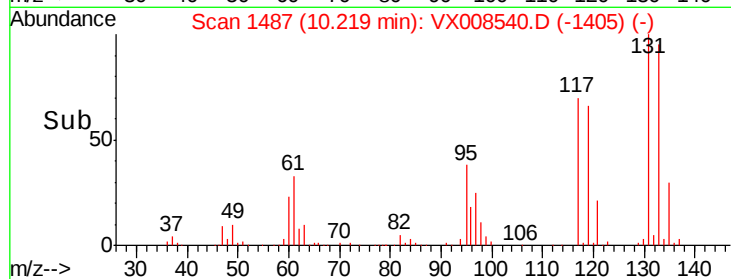
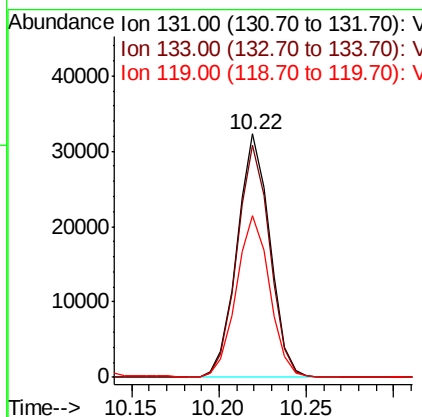
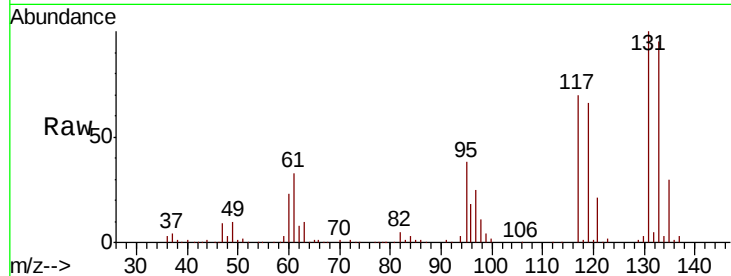
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.451 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion:131 Resp: 42274
 Ion Ratio Lower Upper
 131 100
 133 95.4 0.0 191.6
 119 67.3 0.0 127.4

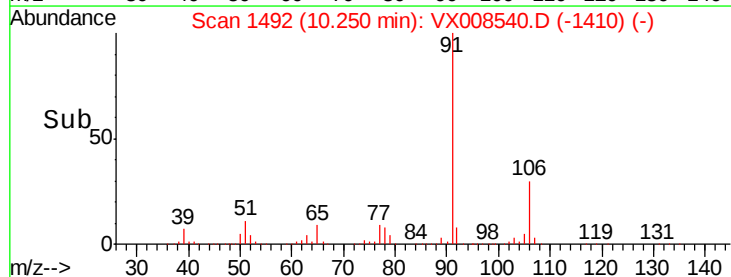
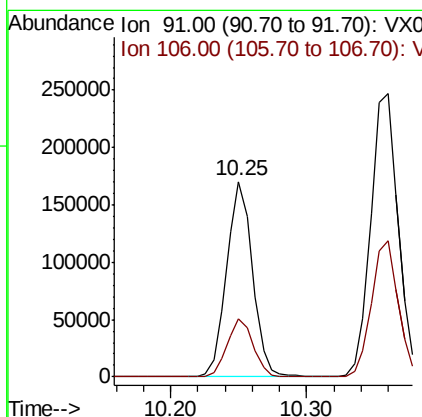
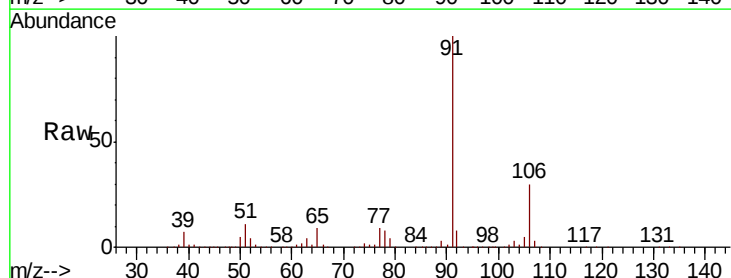
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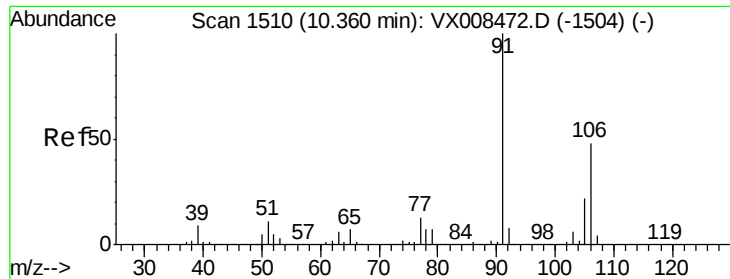
MMDadoda
 3/30/2019 9:50:22 AM



#66
 Ethyl Benzene
 Concen: 19.354 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion: 91 Resp: 226000
 Ion Ratio Lower Upper
 91 100
 106 29.9 26.0 39.0





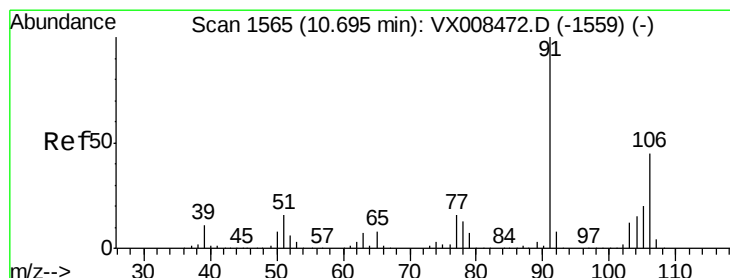
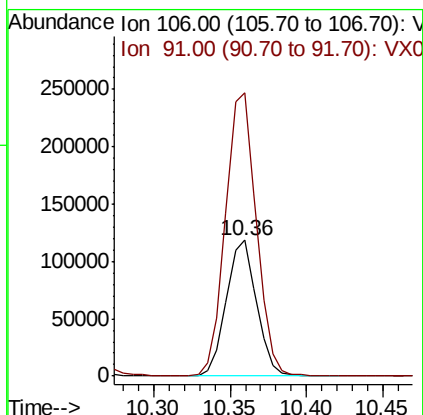
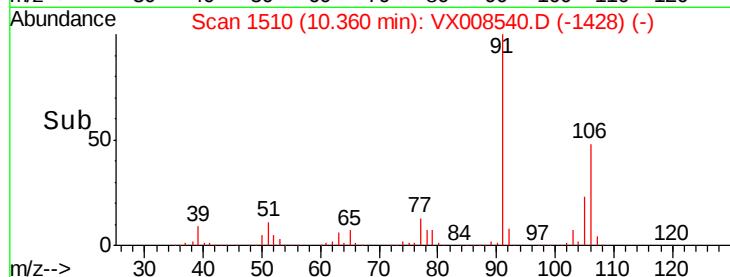
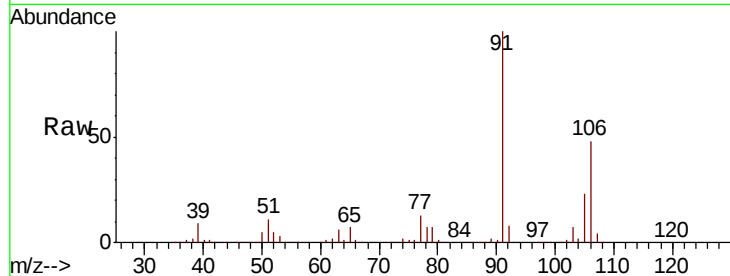
#67
m/p-Xvlenes
Concen: 38.100 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampled :
VX0329WBS01

Tot Ion:106 Resp: 162275
Ion Ratio Lower Upper
106 100
91 213.4 157.0 235.4

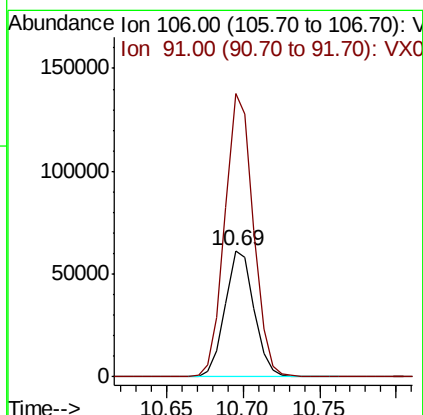
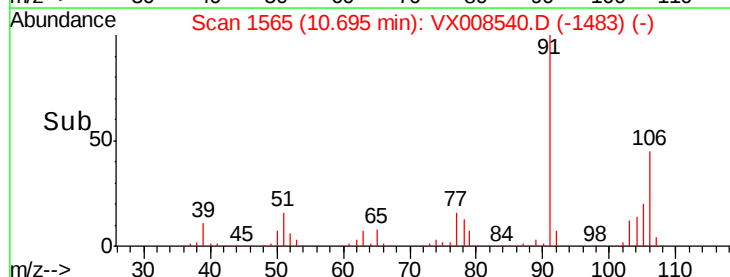
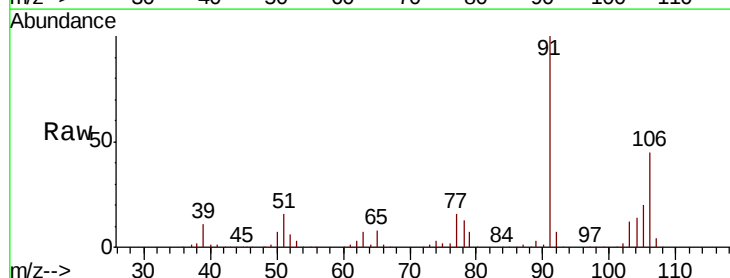
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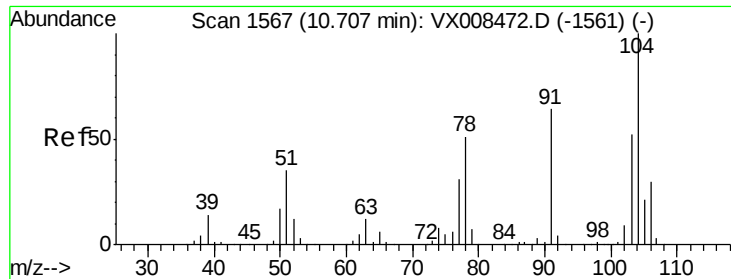
MMDadoda
3/30/2019 9:50:22 AM



#68
o-Xylene
Concen: 19.398 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion:106 Resp: 80849
Ion Ratio Lower Upper
106 100
91 220.0 104.4 313.2





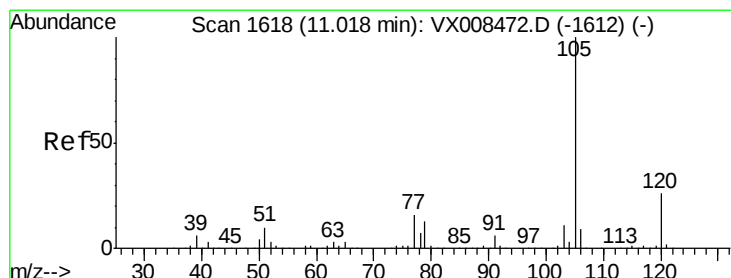
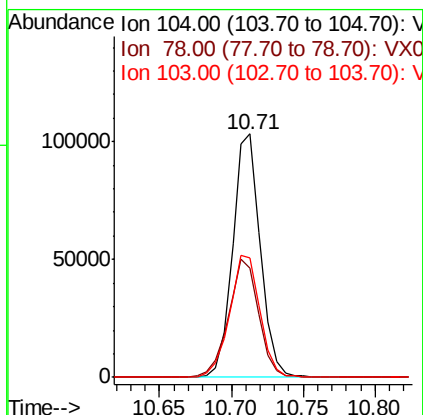
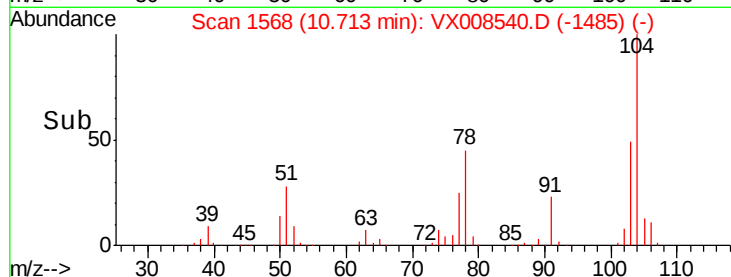
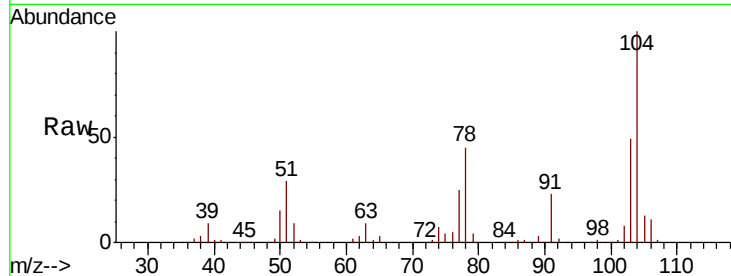
#69
Stvrene
Concen: 19.130 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	38.2	57.2
103	55.1	45.0	67.4

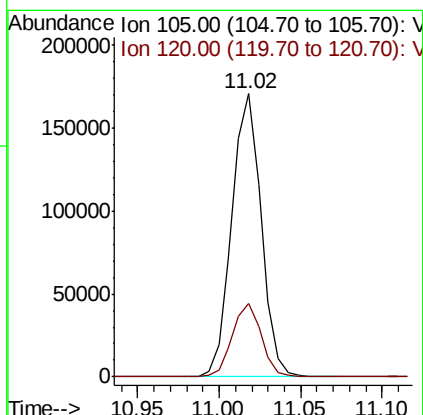
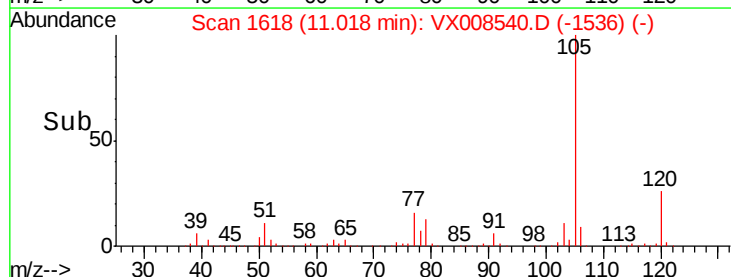
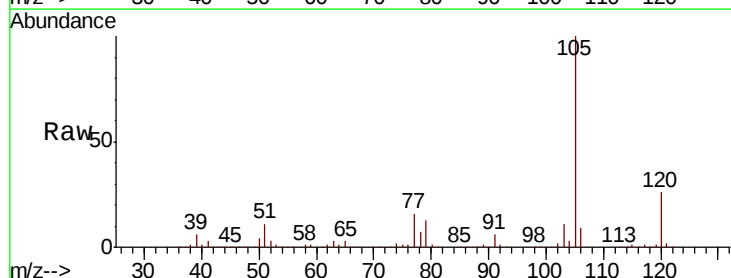
Manual Integrations
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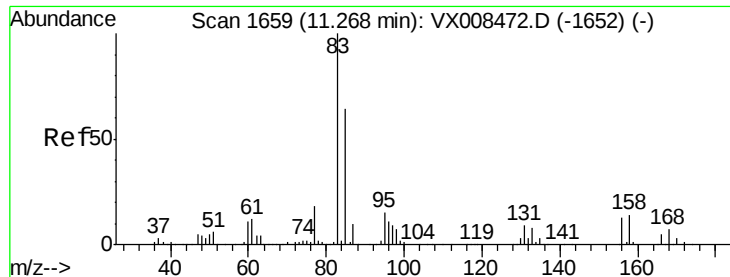
MMDadoda
3/30/2019 9:50:22 AM



#70
Isopropylbenzene
Concen: 19.472 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	19.8	36.8





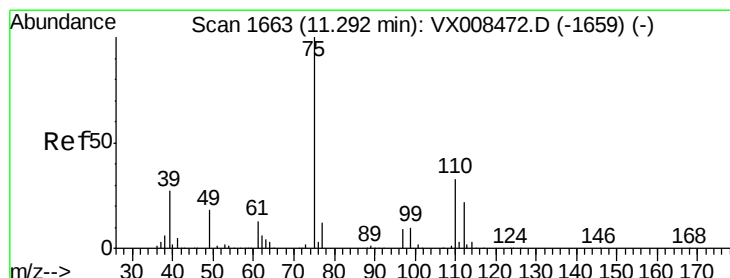
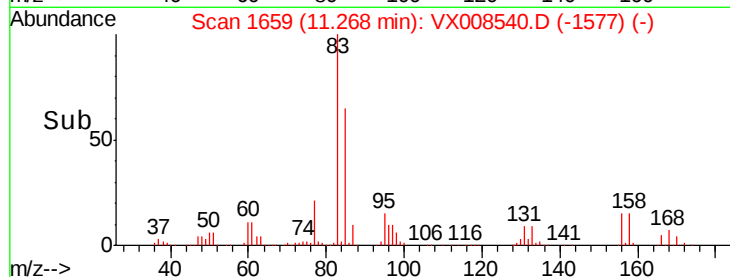
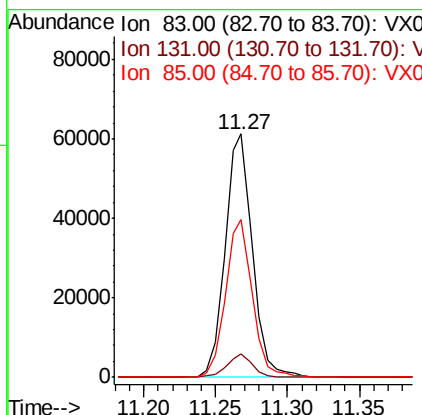
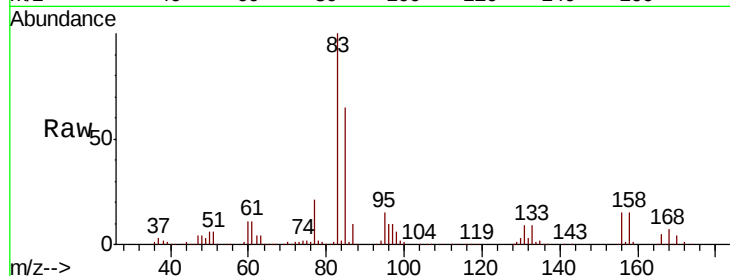
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.782 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	83	Resp	81250
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	5.4	16.2
85	64.0	32.8	98.4

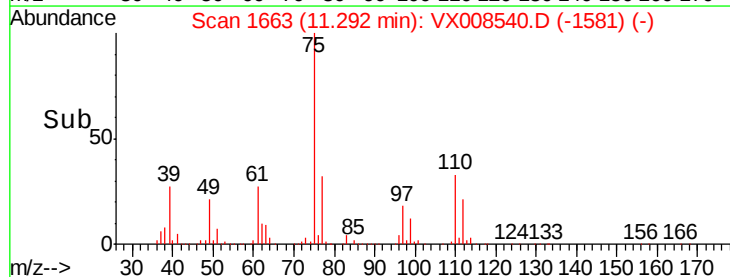
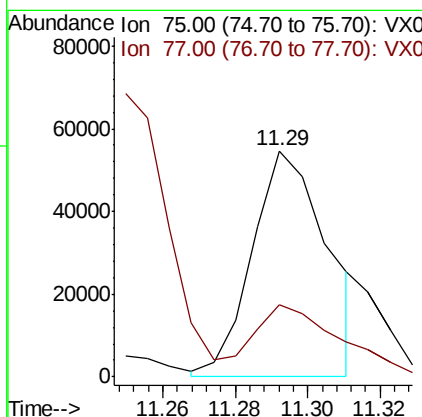
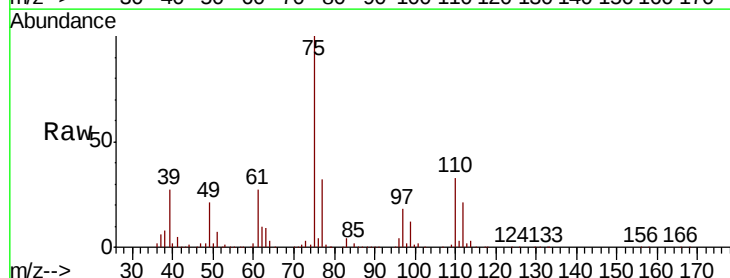
Manual Integrations
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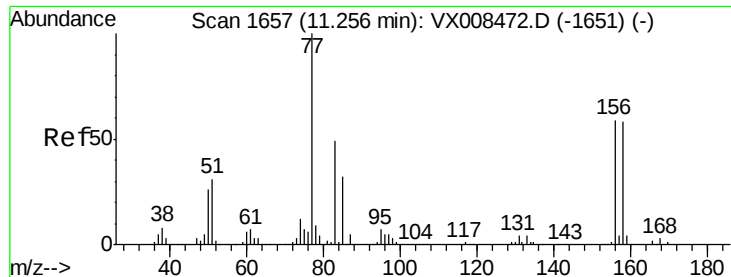
MMDadoda
 3/30/2019 9:50:22 AM



#72
 1,2,3-Trichloropropane
 Concen: 22.624 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion	75	Resp	78543
Ion Ratio	100	Lower	Upper
75	100		
77	37.6	0.0	76.4





#73

Bromobenzene

Concen: 19.023 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

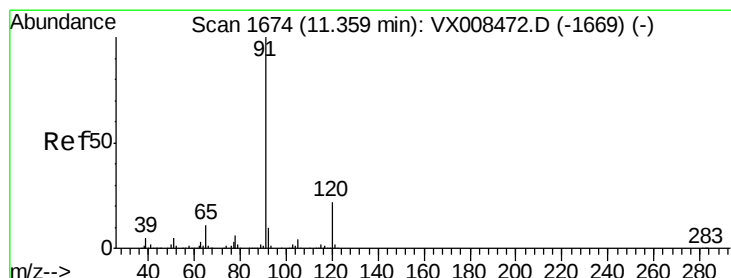
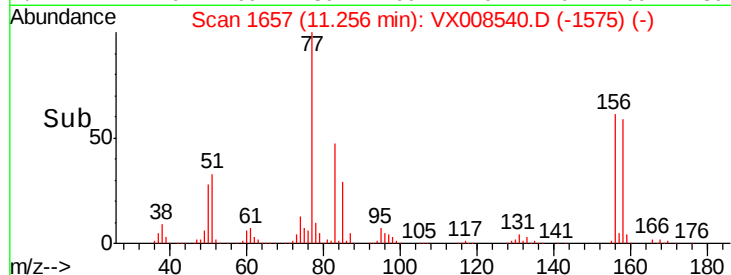
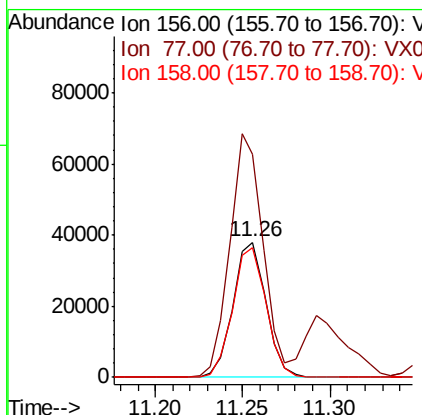
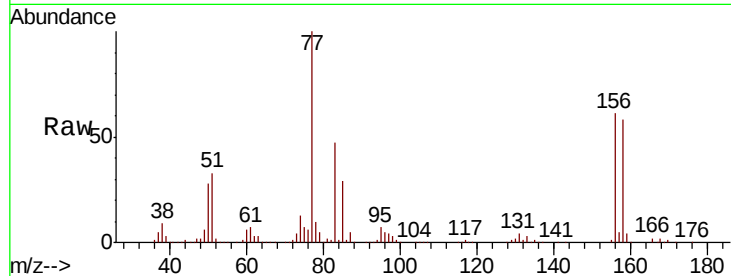
ClientSampleId :

VX0329WBS01

Tot Ion:	156	Resp:	49759
Ion	Ratio	Lower	Upper
156	100		
77	180.6	0.0	271.4
158	98.1	0.0	194.0

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#74

n-propylbenzene

Concen: 19.125 ug/l

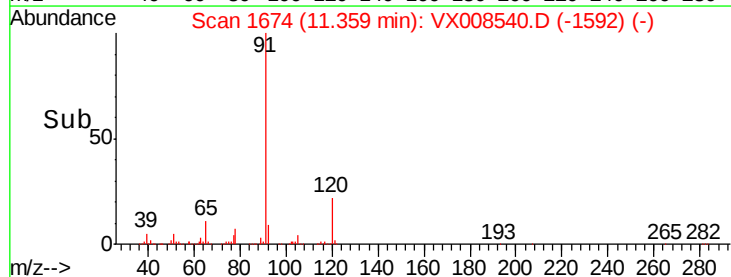
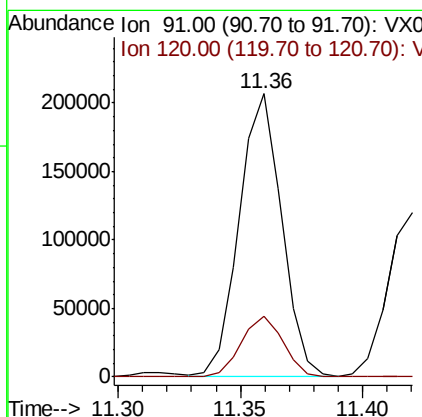
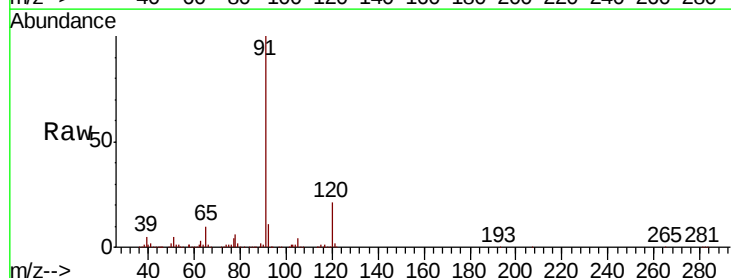
RT: 11.36 min Scan# 1674

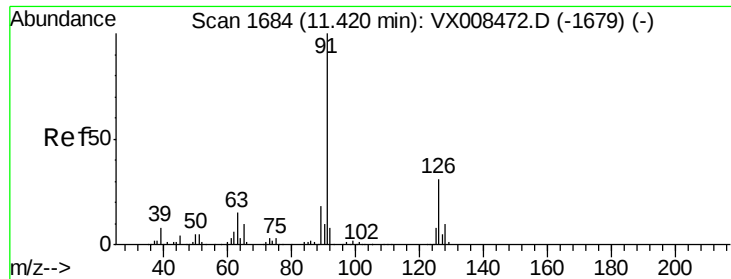
Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Tgt Ion:	91	Resp:	250495
Ion	Ratio	Lower	Upper
91	100		
120	21.3	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.174 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 91 Resp: 149407

Ion Ratio Lower Upper

91 100

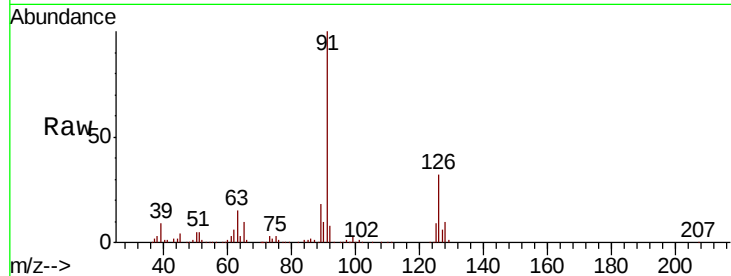
126 31.8 0.0 75.2

Manual Integrations

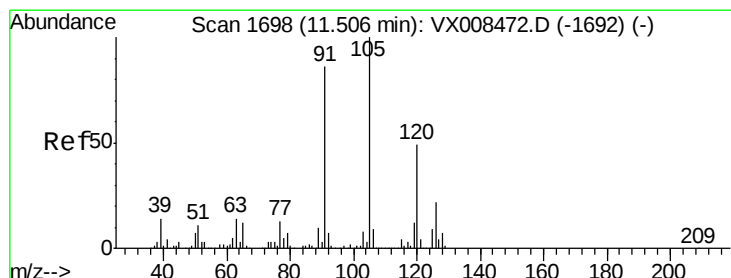
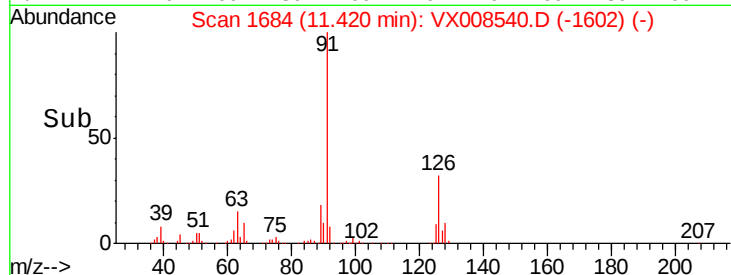
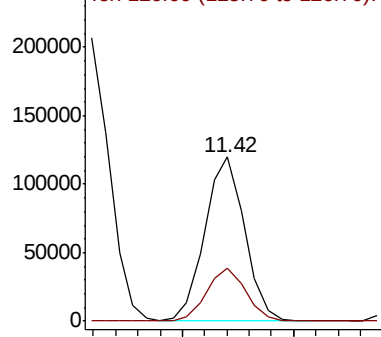
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Abundance Ion 91.00 (90.70 to 91.70): VX008540.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.135 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008540.D

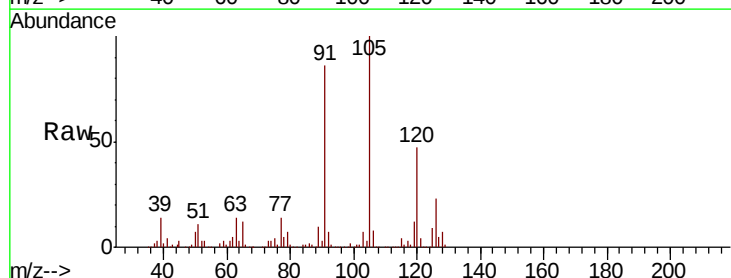
Acq: 29 Mar 2019 13:43

Tgt Ion: 105 Resp: 179857

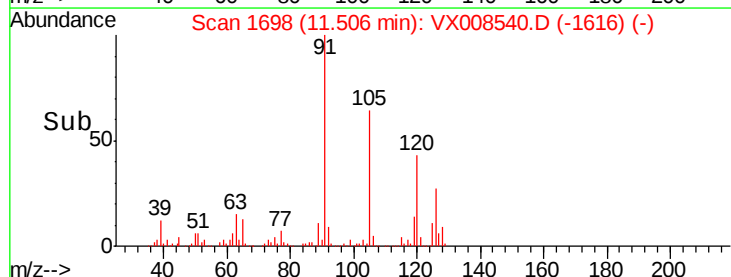
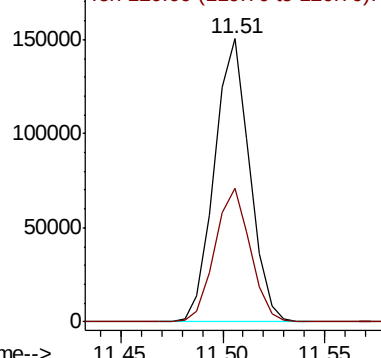
Ion Ratio Lower Upper

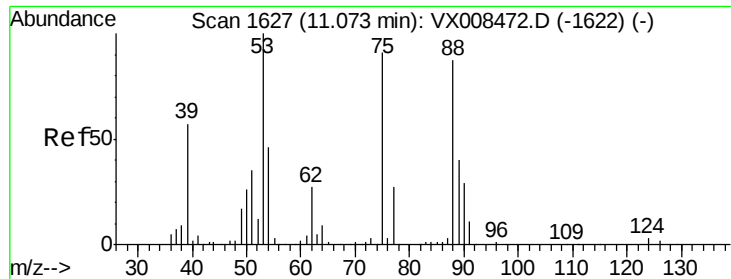
105 100

120 47.5 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008540.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.894 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS01

Tot Ion: 75 Resp: 23829

Ion Ratio Lower Upper

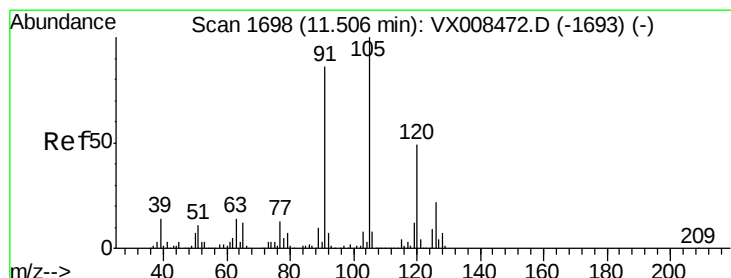
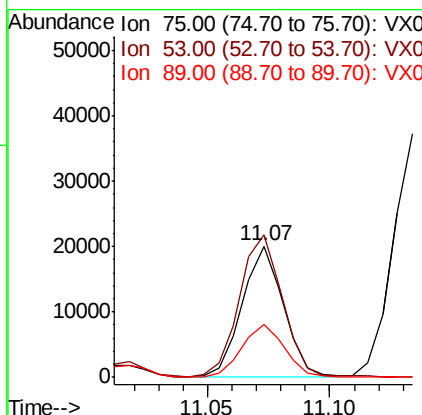
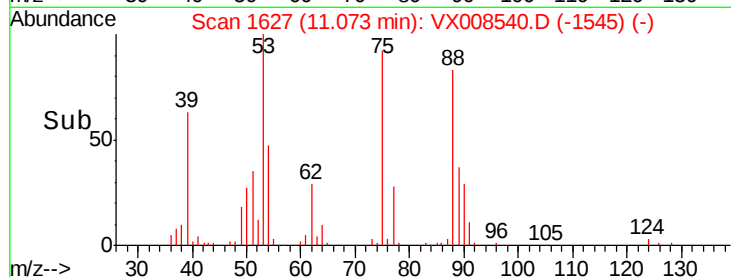
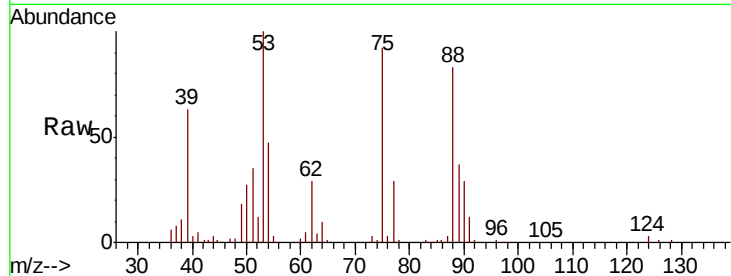
75 100

53 108.6 55.5 166.7

89 40.5 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.907 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008540.D

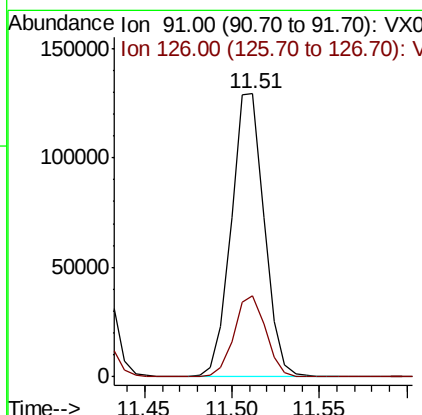
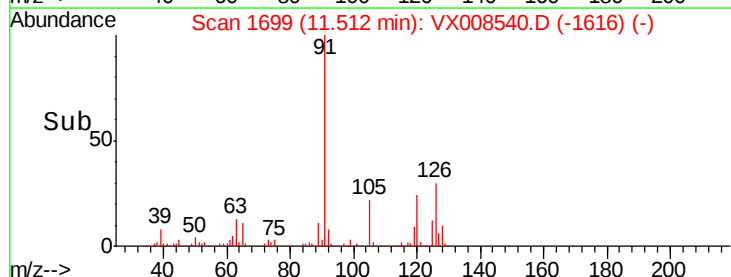
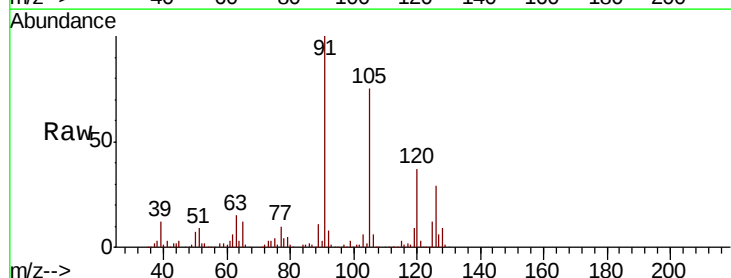
Acq: 29 Mar 2019 13:43

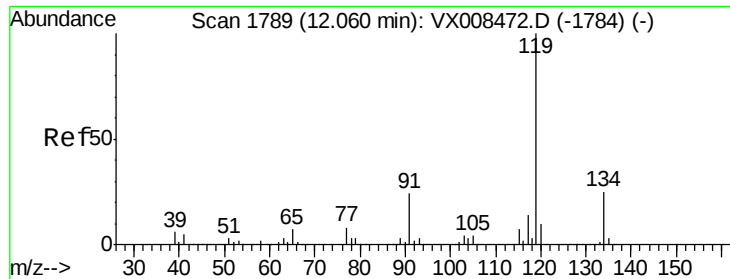
Tgt Ion: 91 Resp: 169564

Ion Ratio Lower Upper

91 100

126 27.6 0.0 66.2





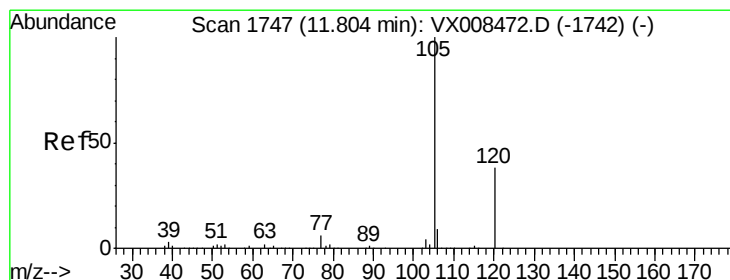
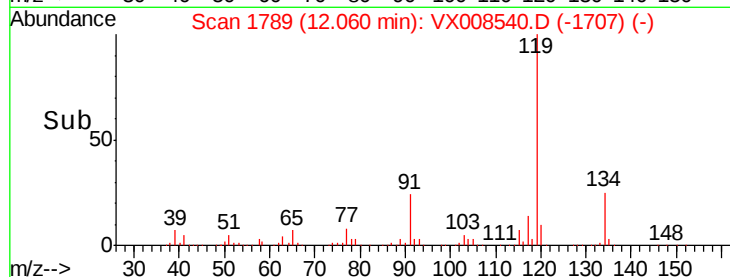
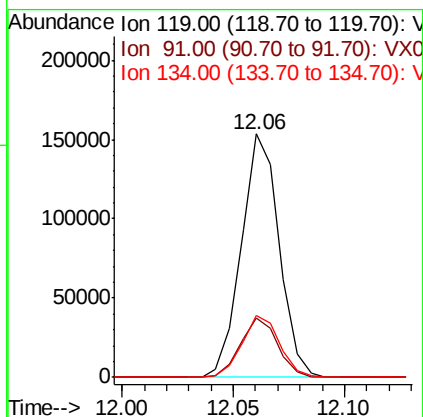
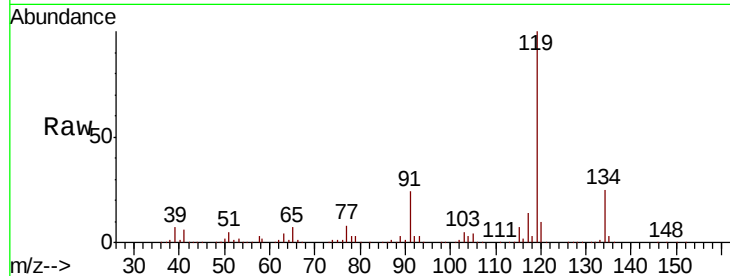
#79
tert-butylbenzene
Concen: 18.917 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	24.2	0.0	45.0
134	25.4	0.0	55.4

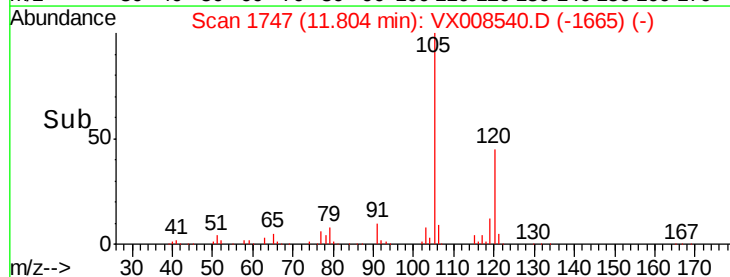
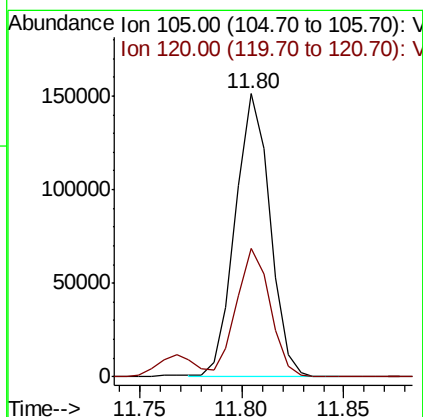
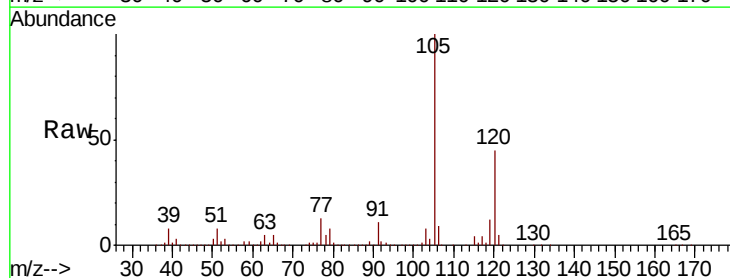
Manual Integrations
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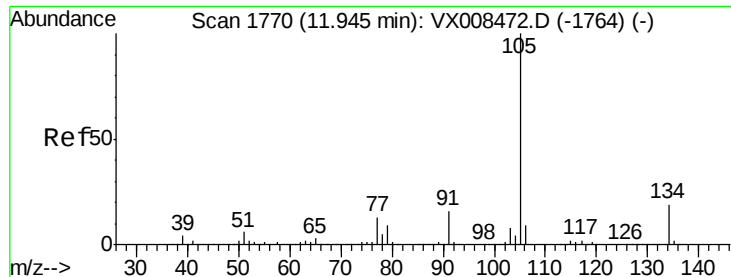
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.073 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	0.0	94.0





#81

sec-Butylbenzene

Concen: 19.100 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion:105 Resp: 205128

Ion Ratio Lower Upper

105 100

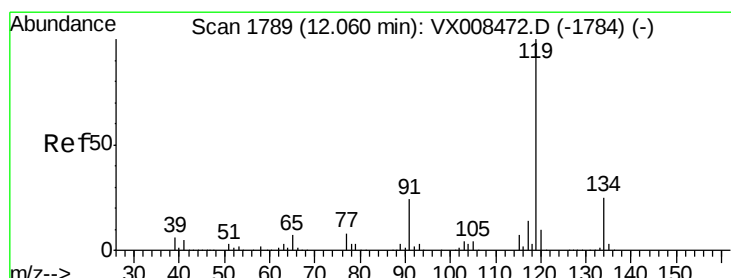
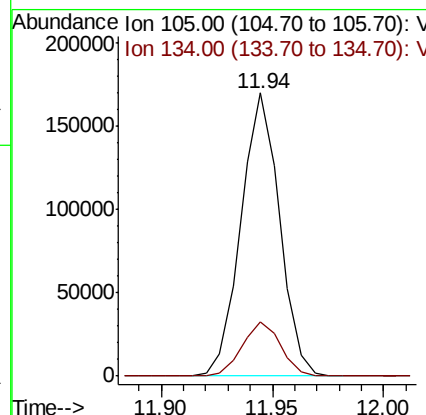
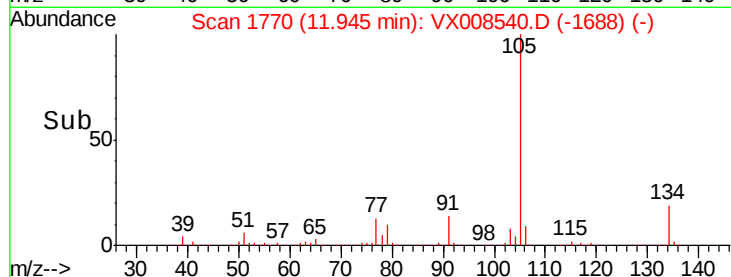
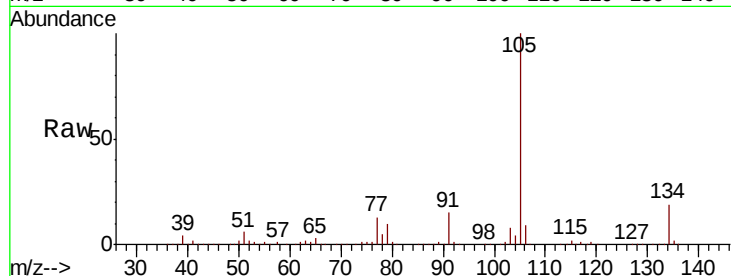
134 19.2 0.0 41.8

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 18.917 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

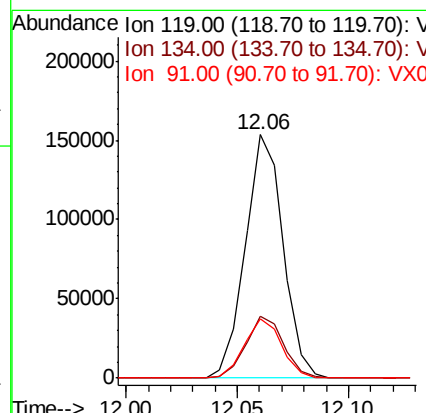
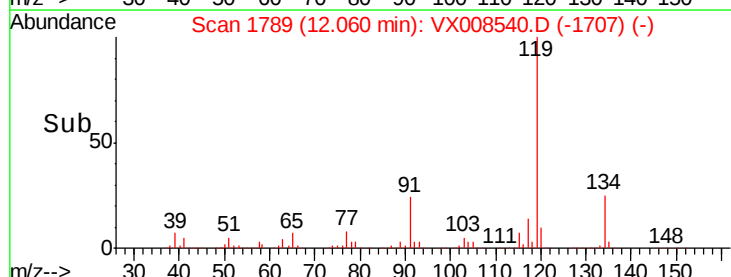
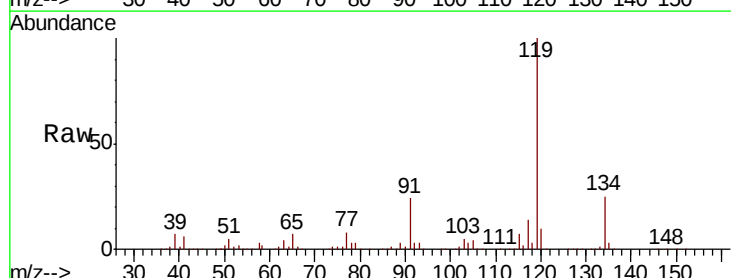
Tgt Ion:119 Resp: 181709

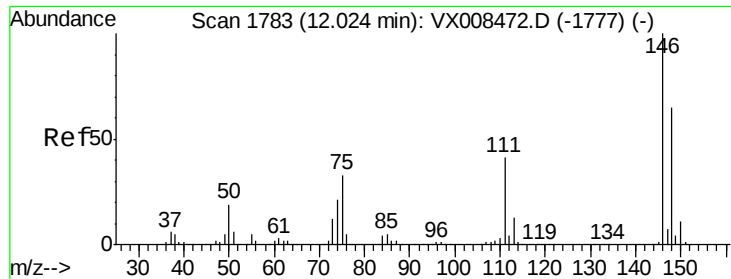
Ion Ratio Lower Upper

119 100

134 25.4 0.0 55.4

91 24.2 0.0 45.0





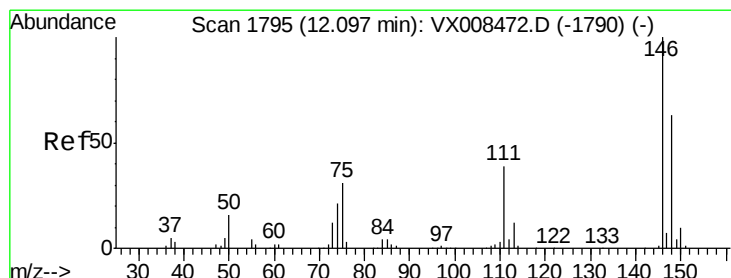
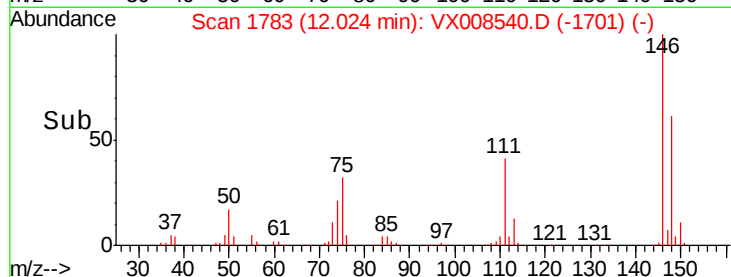
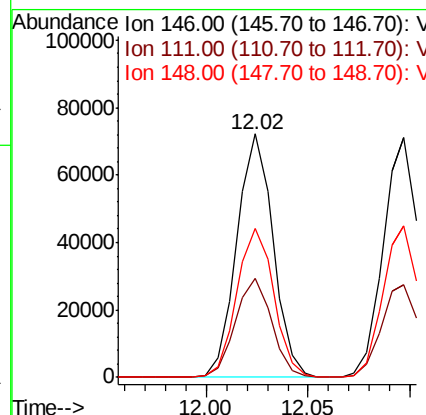
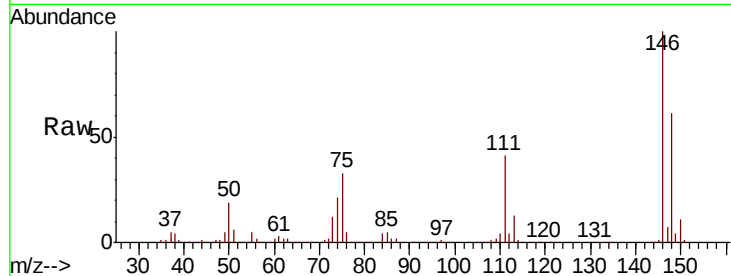
#83
 1,3-Dichlorobenzene
 Concen: 19.077 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.8	56.3
148	62.8	30.6	91.8

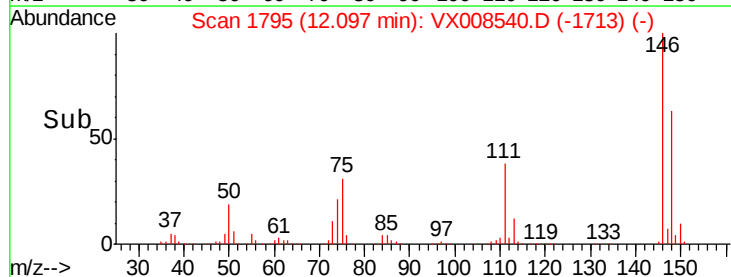
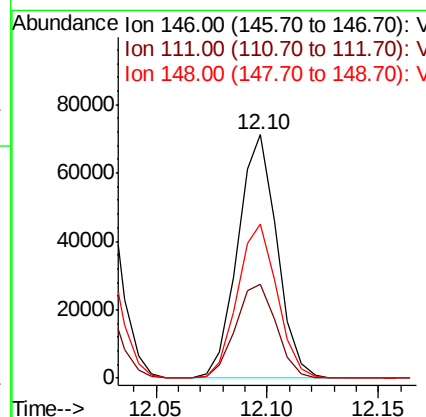
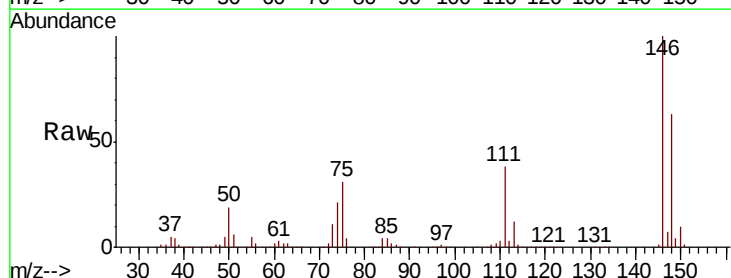
Manual Integrations
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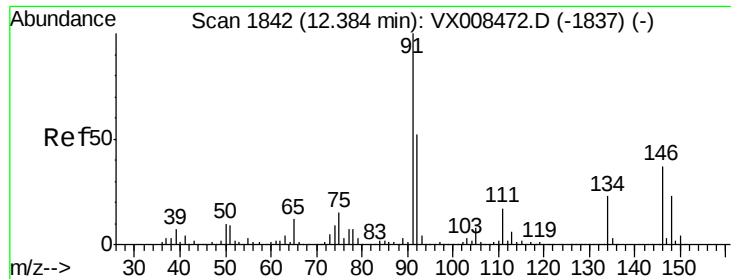
MMDadoda
 3/30/2019 9:50:22 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.794 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	17.6	52.8
148	64.1	31.4	94.2





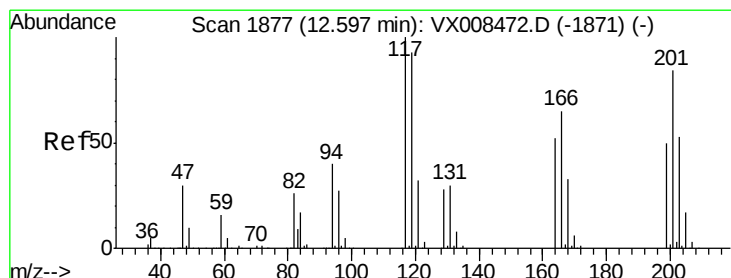
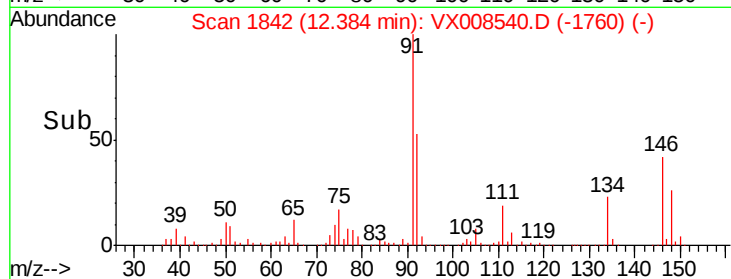
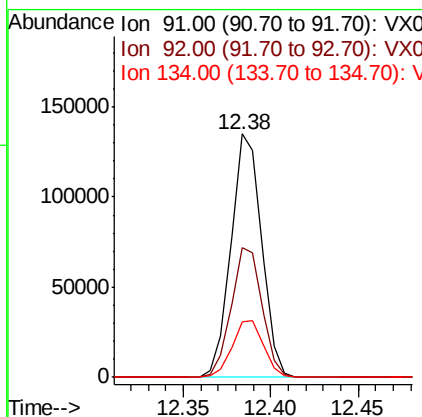
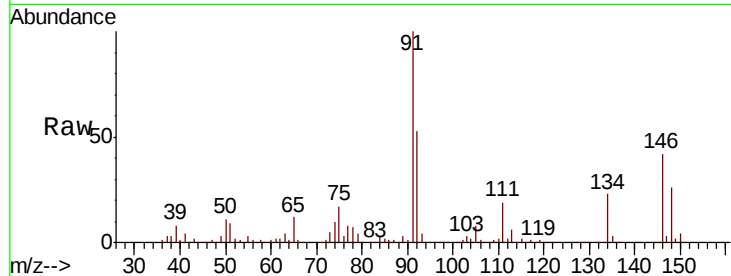
#85
n-Butylbenzene
Concen: 18.055 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	164785		
92	53.4	0.0	105.2	
134	24.0	0.0	56.4	

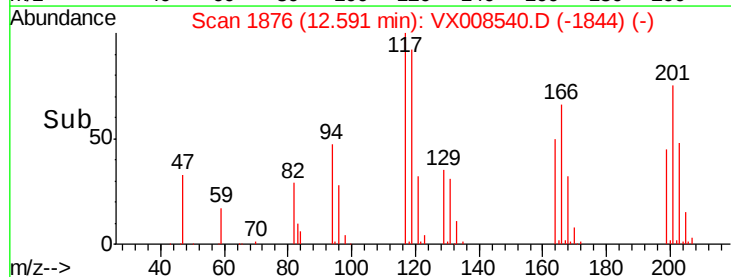
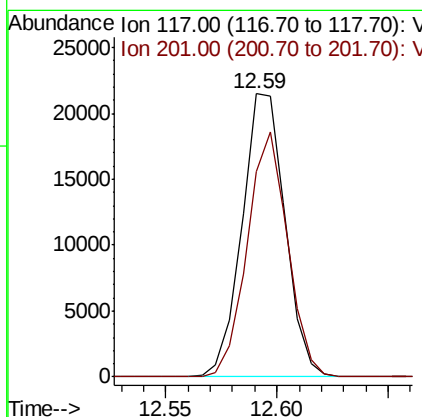
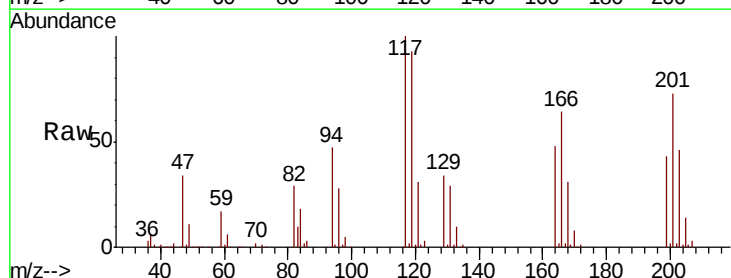
Manual Integrations
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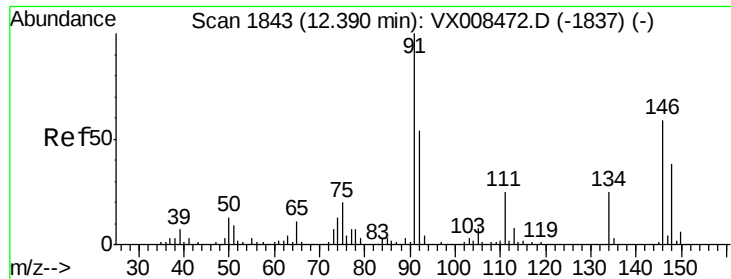
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#86
Hexachloroethane
Concen: 18.105 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX008540.D
Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29057		
201	80.9	41.1	123.3	





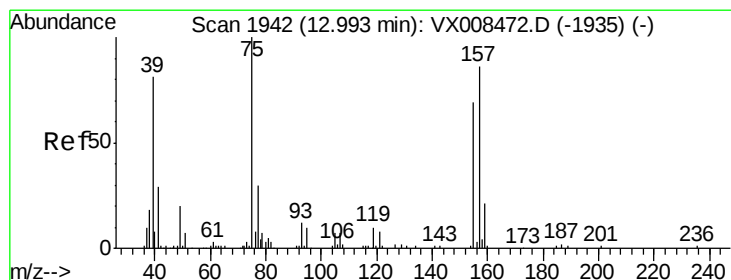
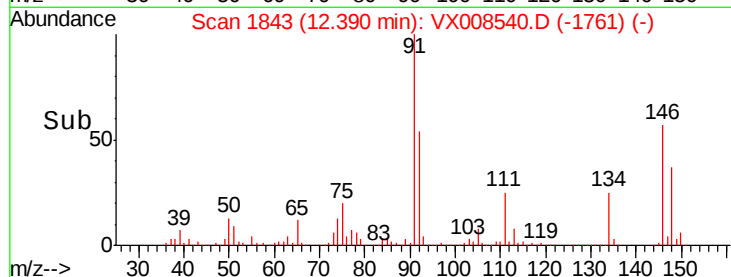
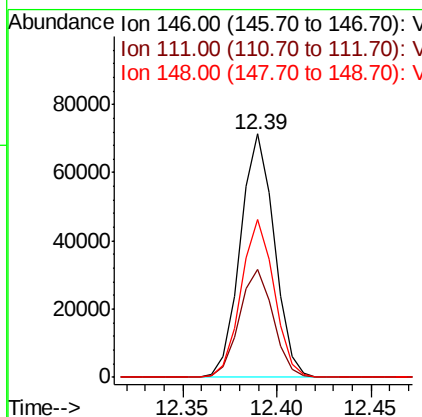
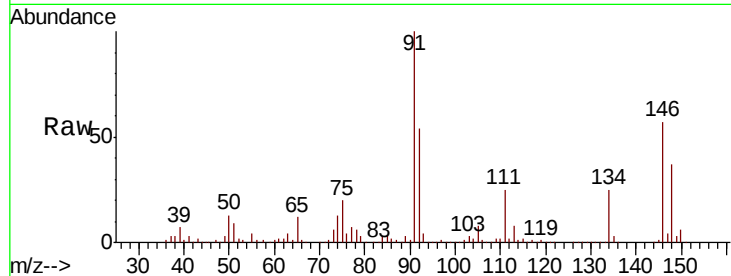
#87
 1,2-Dichlorobenzene
 Concen: 19.085 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	19.3	57.8
148	63.4	32.1	96.3

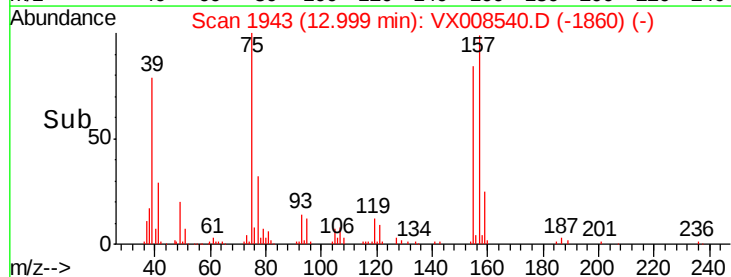
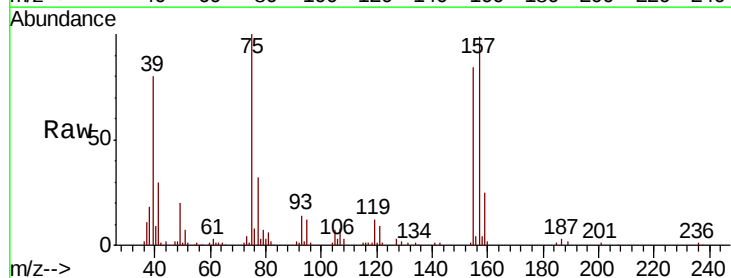
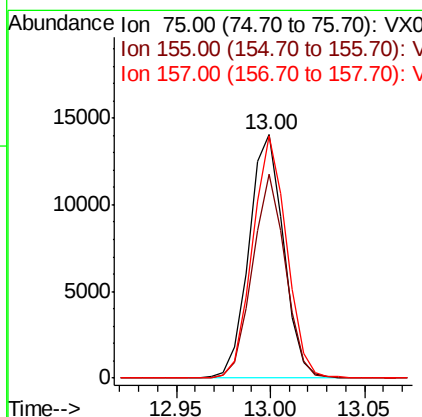
Manual Integrations
 APPROVED

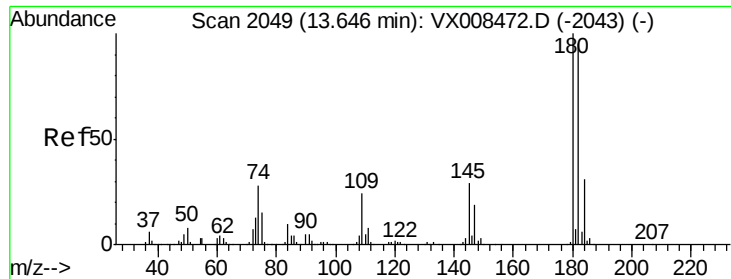
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.625 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	81.0	121.6#
157	97.8	103.2	154.8#





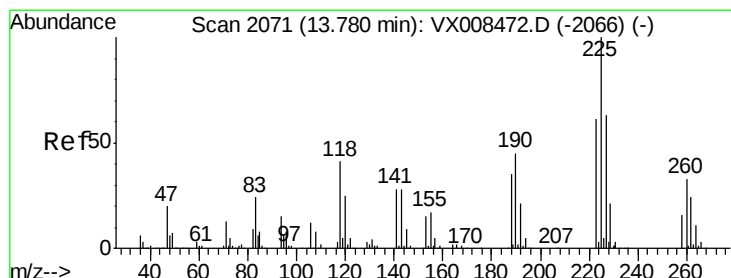
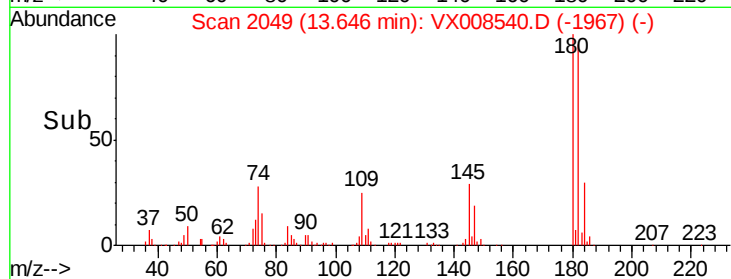
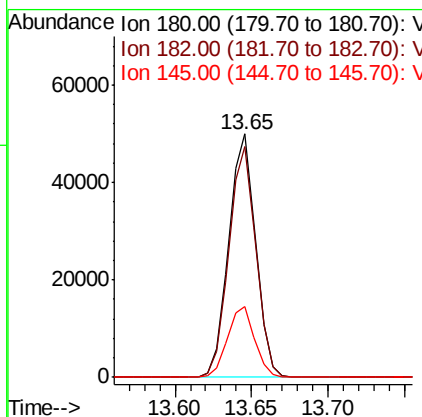
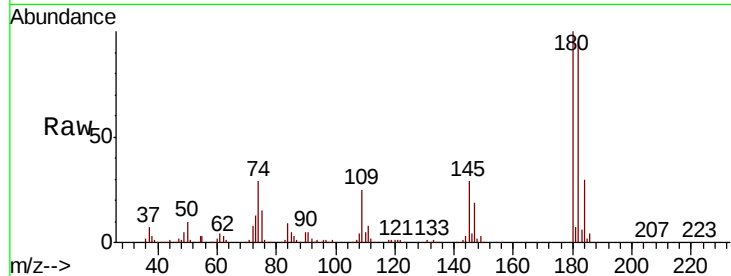
#89
 1,2,4-Trichlorobenzene
 Concen: 18.860 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion:	180	Resp:	60873
Ion Ratio	Lower	Upper	
180	100		
182	95.1	75.6	113.4
145	29.5	23.0	34.6

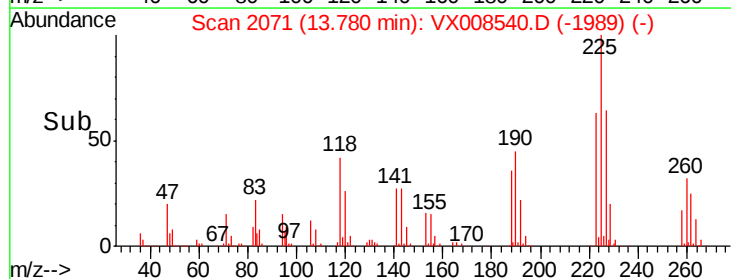
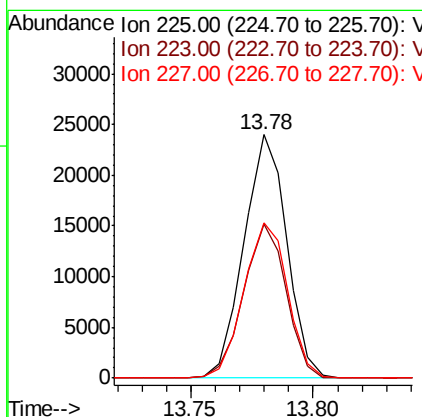
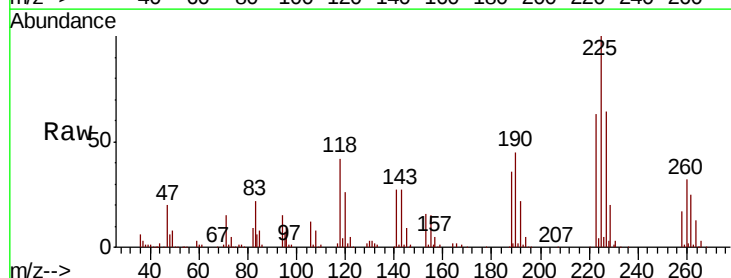
Manual Integrations
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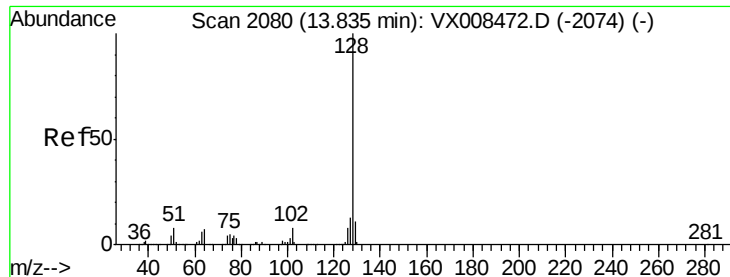
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#90
 Hexachlorobutadiene
 Concen: 18.871 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008540.D
 Acq: 29 Mar 2019 13:43

Tgt Ion:	225	Resp:	29343
Ion Ratio	Lower	Upper	
225	100		
223	62.7	0.0	123.8
227	65.2	0.0	124.4





#91

Naphthalene

Concen: 19.753 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Instrument :

MSVOA_X

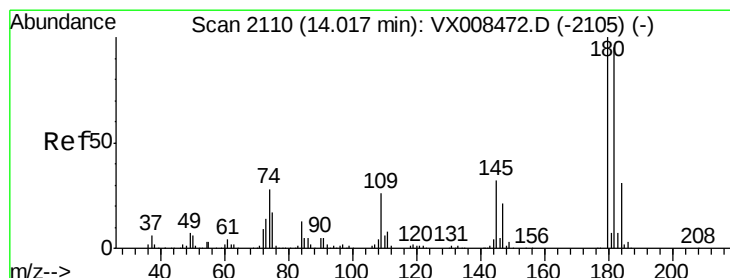
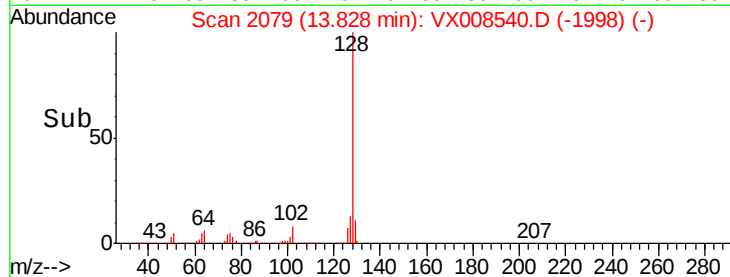
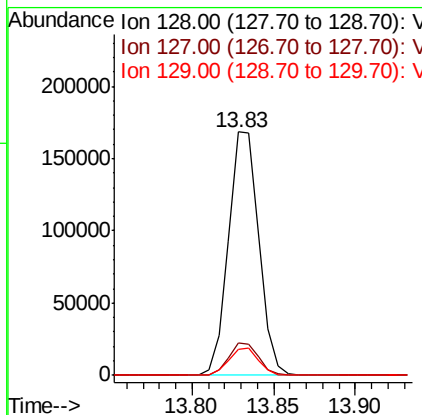
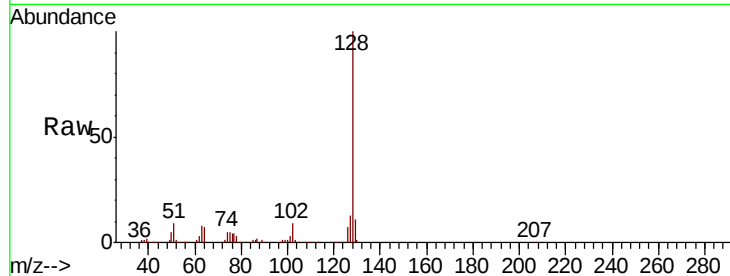
ClientSampleId :

VX0329WBS01

Tot Ion:	128	Resp:	218426
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/30/2019 9:50:22 AM



#92

1,2,3-Trichlorobenzene

Concen: 19.282 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008540.D

Acq: 29 Mar 2019 13:43

Tgt Ion:	180	Resp:	62691
Ion Ratio	Lower	Upper	
180	100		
182	95.8	0.0	193.0
145	32.0	0.0	63.0

