

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009300.D
 Acq On : 03 May 2019 09:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:28:13 AM

Quant Time: May 04 03:04:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	35047	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	202997	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	179208	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	85743	29.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.30%
60) 4-Bromofluorobenzene	11.13	95	92306	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	8.71	98	255893	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	37819	20.308	ug/l 99
3) Chloromethane	1.32	50	49962	19.960	ug/l 99
4) Vinyl Chloride	1.41	62	49471	19.811	ug/l 99
5) Bromomethane	1.64	94	29384	18.563	ug/l 95
6) Chloroethane	1.72	64	31360	19.149	ug/l 96
7) Trichlorofluoromethane	1.93	101	60856	19.735	ug/l 97
8) Diethyl Ether	2.18	74	27852	19.452	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38814	20.330	ug/l 98
10) 1,1-Dichloroethene	2.37	96	38211	19.933	ug/l 98
11) Methyl Iodide	2.51	142	36621	17.573	ug/l 97
12) Methyl Acetate	2.77	43	66303	18.363	ug/l 99
13) Acrolein	2.29	56	42263	85.341	ug/l 98
14) Acrylonitrile	3.14	53	149198	95.214	ug/l 99
15) Acetone	2.44	58	46349	103.022	ug/l 96
16) Carbon Disulfide	2.57	76	100394	19.356	ug/l 98
17) Allyl chloride	2.73	41	88976	19.334	ug/l 99
18) Methylene Chloride	2.85	84	45874	19.801	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	40086	19.613	ug/l 98
20) Diisopropyl ether	3.85	45	179793	19.838	ug/l 95
21) 1,1-Dichloroethane	3.69	63	86404	19.700	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	48016	19.503	ug/l 96
23) tert-Butyl Alcohol	3.04	59	59090	89.182	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	146695	19.554	ug/l 100
25) Chloroform	5.20	83	79351	19.826	ug/l 96
26) Cyclohexane	5.57	56	82130	20.092	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	60662	20.366	ug/l 100
30) 2-Butanone	4.67	43	233100	99.927	ug/l 99
31) 2,2-Dichloropropane	4.58	77	65352	19.902	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	64076	19.844	ug/l 97
33) Carbon Tetrachloride	5.78	117	54503	20.174	ug/l 99
34) Benzene	6.14	78	185810	20.234	ug/l 100
35) Methacrylonitrile	5.03	41	47501	19.463	ug/l 94
36) 1,2-Dichloroethane	6.19	62	67168	20.158	ug/l 100
37) Trichloroethene	7.21	130	44966	20.341	ug/l 95
38) Methylcyclohexane	7.46	83	75376	20.482	ug/l 99
39) 1,2-Dichloropropane	7.51	63	53539	20.473	ug/l 97
40) Dibromomethane	7.66	93	29875	20.128	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	59757	19.711	ug/l	99
42) Vinyl Acetate	3.81	43	775048	100.668	ug/l	100
43) Ethyl Acetate	4.83	43	82044	19.464	ug/l	98
44) Isopropyl Acetate	6.44	43	131188	19.212	ug/l	99
45) 1,4-Dioxane	7.73	88	25912	386.503	ug/l	99
46) Methyl methacrylate	7.76	41	66686	19.566	ug/l	96
47) n-amyl Acetate	10.90	43	119782	19.472	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	67404	19.055	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	76022	19.576	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	45914	20.191	ug/l	97
51) Ethyl methacrylate	9.18	69	81742	19.452	ug/l	98
52) 1,3-Dichloropropane	9.37	76	80920	20.051	ug/l	100
53) Dibromochloromethane	9.58	129	44757	19.763	ug/l	100
54) 1,2-Dibromoethane	9.67	107	45841	19.656	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	251925	112.506	ug/l	99
56) Bromoform	10.85	173	33229	19.114	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	431140	97.842	ug/l	100
59) 2-Hexanone	9.49	43	348834	100.929	ug/l	100
61) Tetrachloroethene	9.34	164	42441	21.483	ug/l	97
62) Toluene	8.78	91	196280	20.497	ug/l	99
64) Chlorobenzene	10.13	112	116766	20.261	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	42642	20.208	ug/l	99
66) Ethyl Benzene	10.25	91	217014	20.343	ug/l	98
67) m/p-Xylenes	10.36	106	160943	41.321	ug/l	100
68) o-Xylene	10.69	106	78621	20.528	ug/l	99
69) Styrene	10.71	104	136376	20.285	ug/l	99
70) Isopropylbenzene	11.02	105	212228	20.605	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	74705	19.805	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	66163m	20.354	ug/l	
73) Bromobenzene	11.26	156	51118	20.087	ug/l	98
74) n-propylbenzene	11.36	91	246123	20.621	ug/l	99
75) 2-Chlorotoluene	11.42	91	148409	20.730	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	181413	20.793	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	24085	18.369	ug/l	99
78) 4-Chlorotoluene	11.51	91	168152	20.680	ug/l	100
79) tert-butylbenzene	11.77	119	172482	20.450	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	181658	20.774	ug/l	100
81) sec-Butylbenzene	11.94	105	207757	20.733	ug/l	99
82) p-Isopropyltoluene	12.06	119	189100	20.745	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	93380	20.547	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	91986	20.316	ug/l	99
85) n-Butylbenzene	12.38	91	172760	20.712	ug/l	99
86) Hexachloroethane	12.60	117	30529	19.682	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	93819	20.508	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16682	19.031	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	67996	20.853	ug/l	99
90) Hexachlorobutadiene	13.78	225	34878	21.414	ug/l	98
91) Naphthalene	13.83	128	214245	20.068	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	68187	20.572	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 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

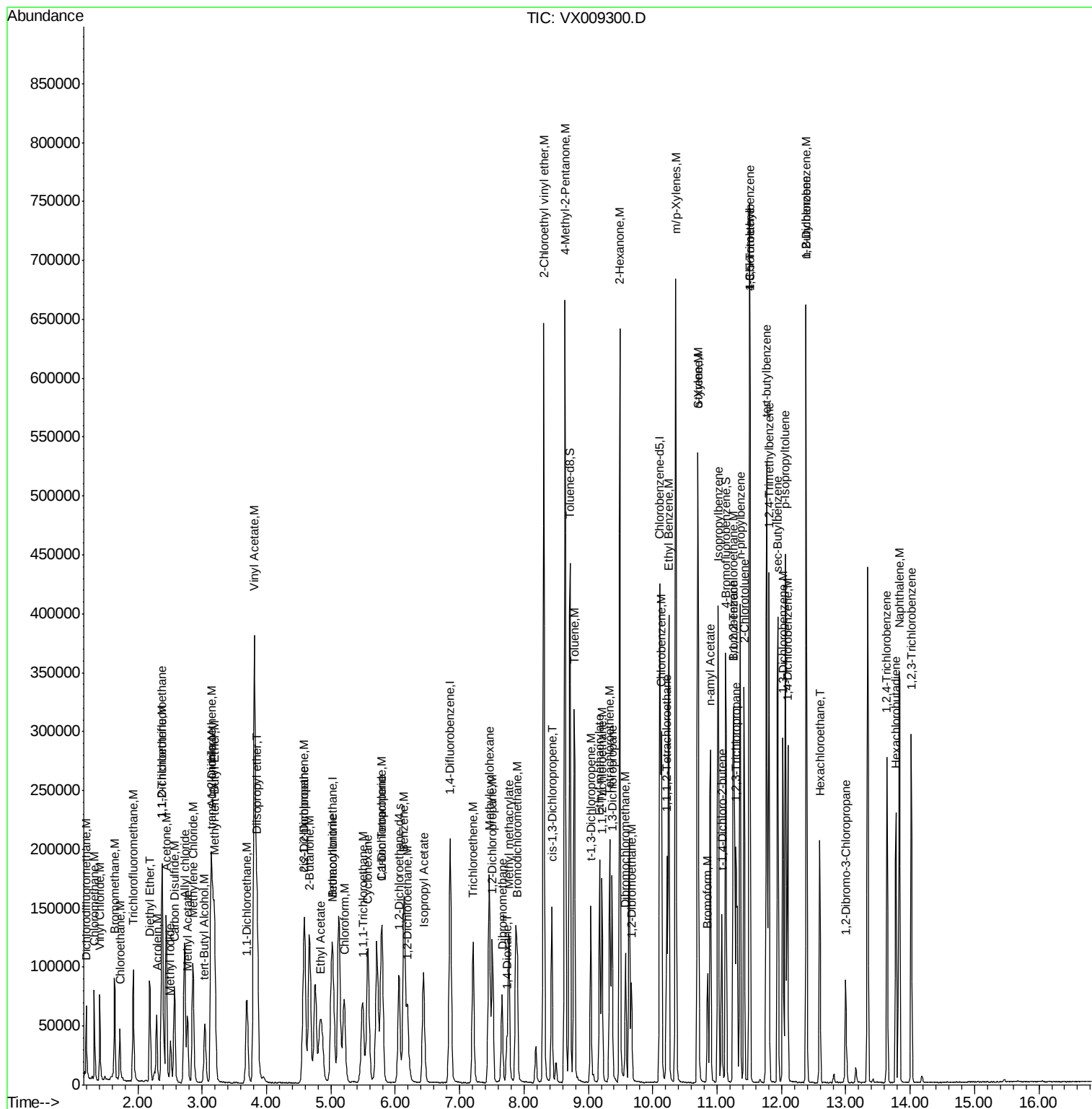
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Data File : VX009300.D
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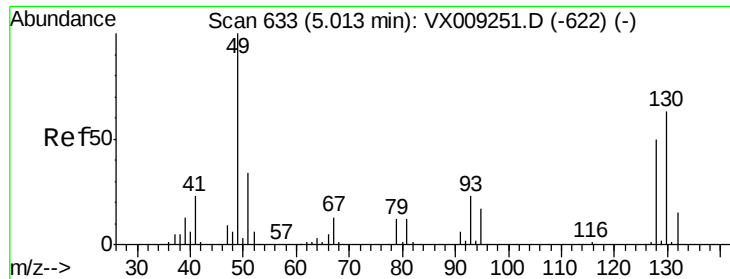
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:128 Resp: 35047

Ion Ratio Lower Upper

128 100

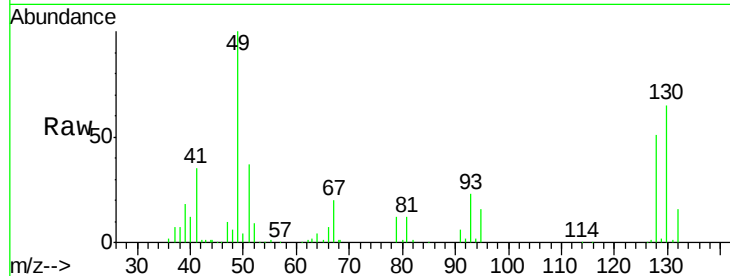
49 203.0 0.0 515.0

130 127.1 0.0 323.3

Manual Integrations
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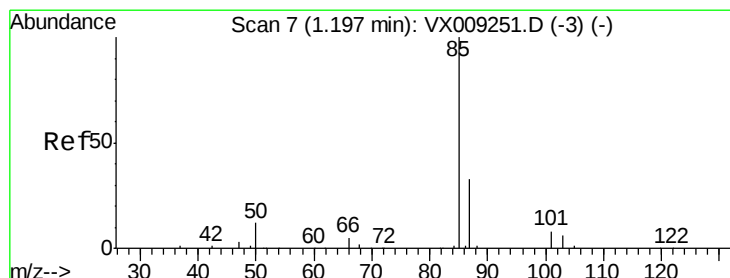
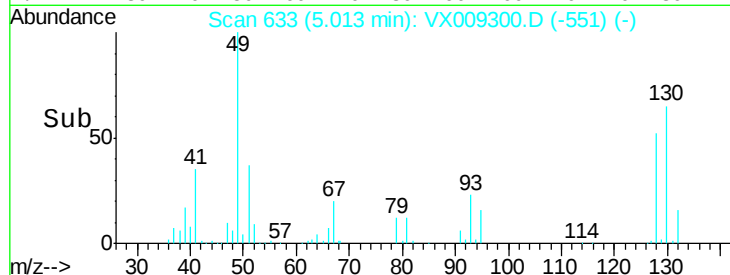
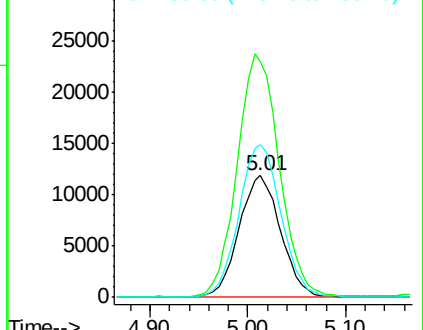
5/6/2019 9:28:13 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.308 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009300.D

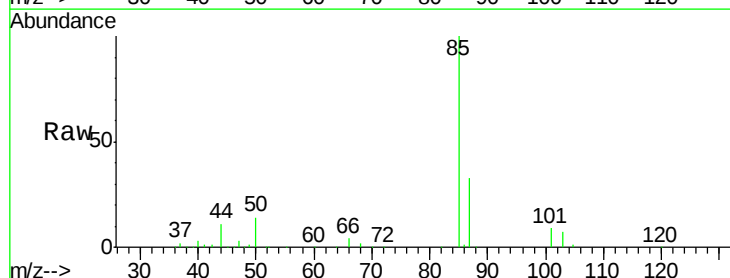
Acq: 03 May 2019 09:47

Tgt Ion: 85 Resp: 37819

Ion Ratio Lower Upper

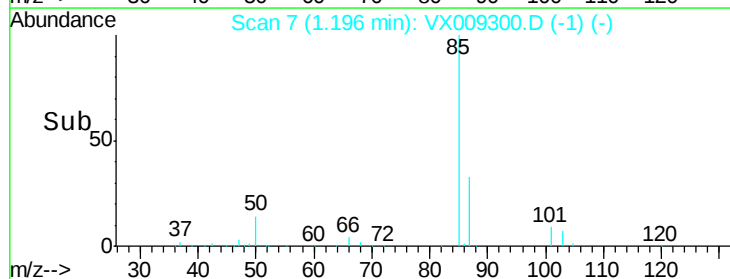
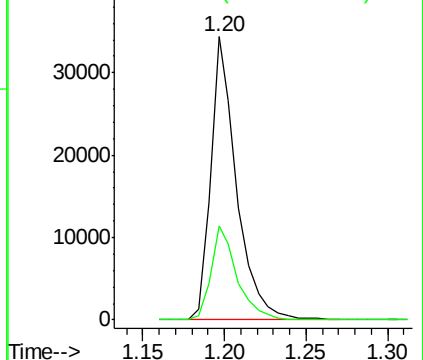
85 100

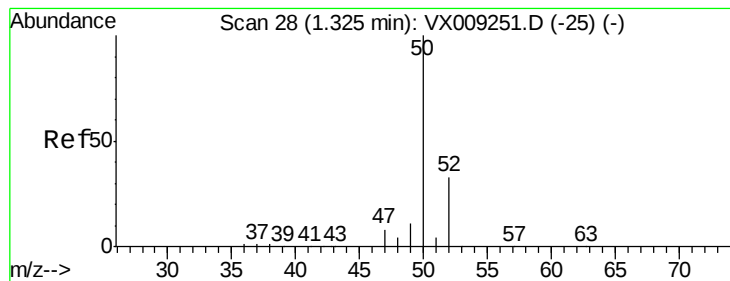
87 33.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.960 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 49962

Ion Ratio Lower Upper

50 100

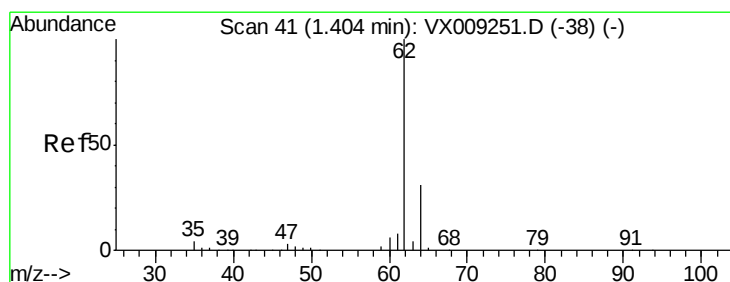
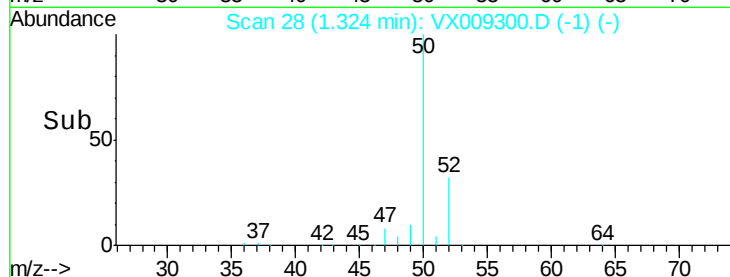
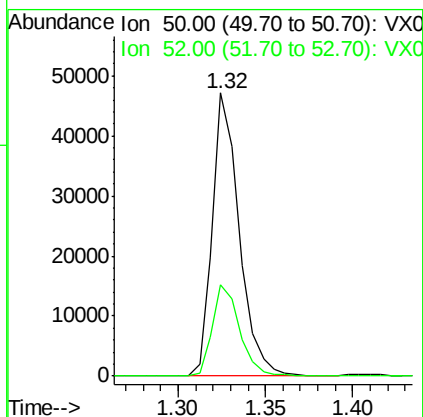
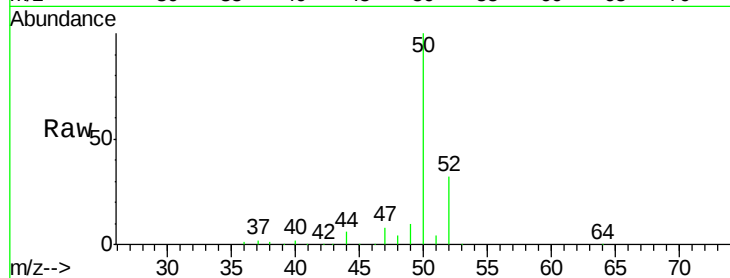
52 32.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.811 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009300.D

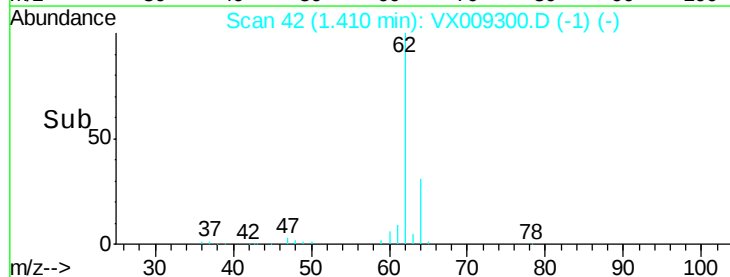
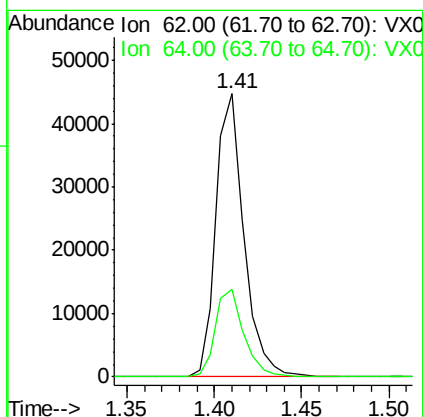
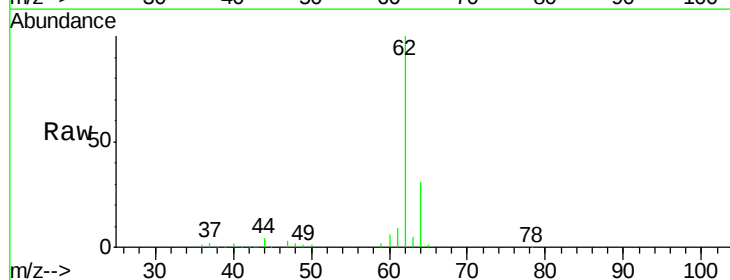
Acq: 03 May 2019 09:47

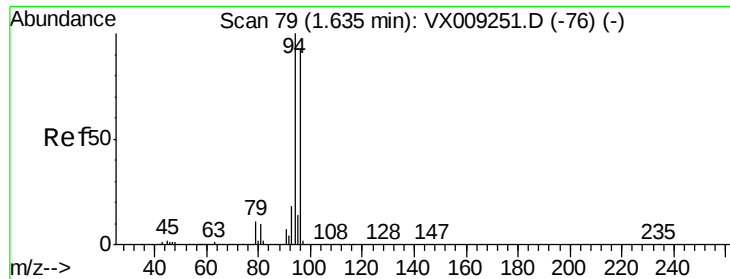
Tgt Ion: 62 Resp: 49471

Ion Ratio Lower Upper

62 100

64 31.2 24.6 36.8





#5

Bromomethane

Concen: 18.563 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 29384

Ion Ratio Lower Upper

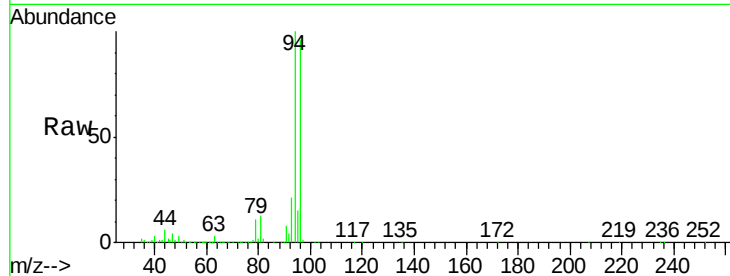
94 100

96 96.3 73.5 110.3

Manual Integrations
APPROVED

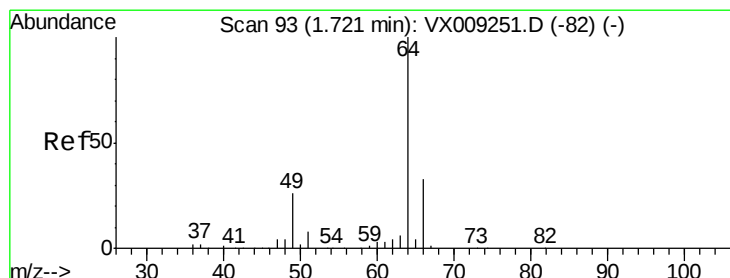
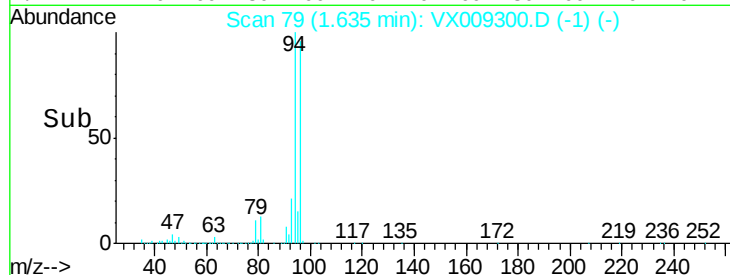
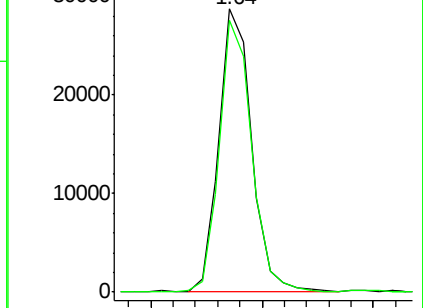
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.149 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009300.D

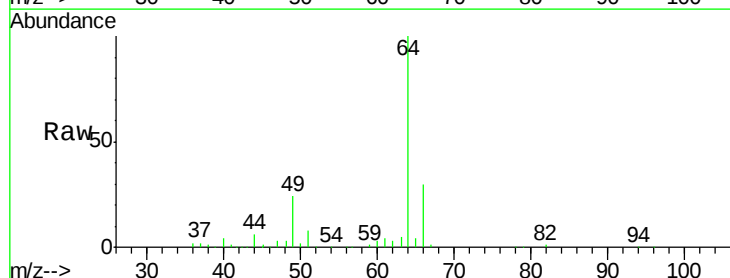
Acq: 03 May 2019 09:47

Tgt Ion: 64 Resp: 31360

Ion Ratio Lower Upper

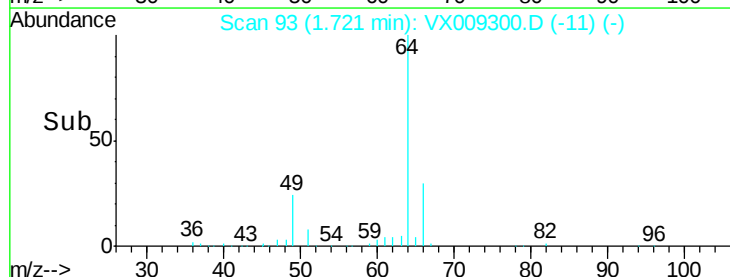
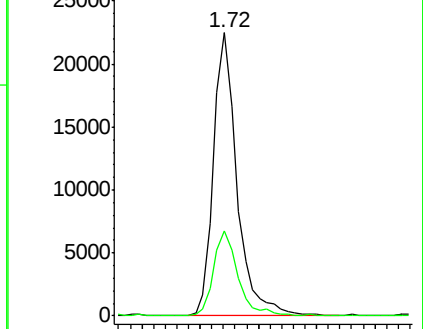
64 100

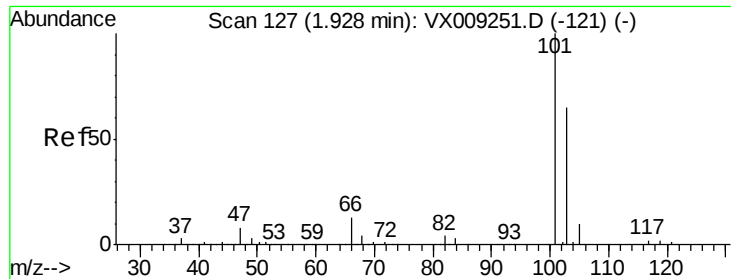
66 30.3 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

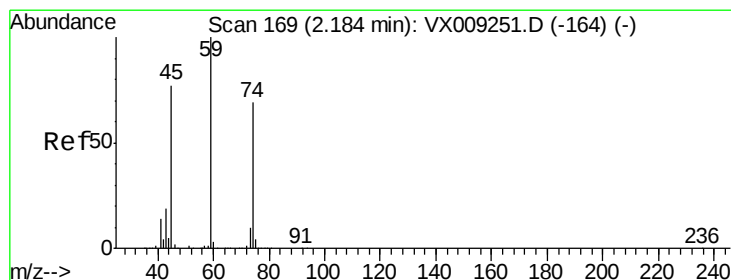
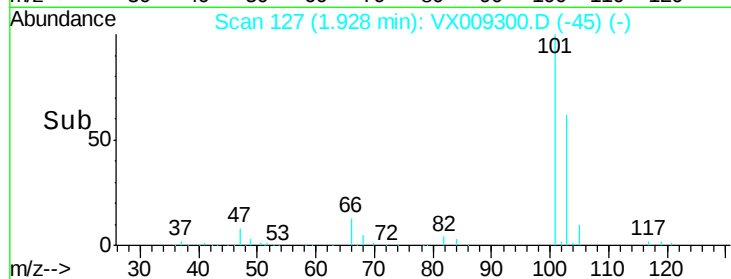
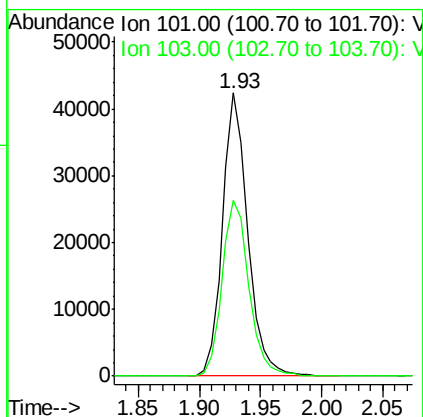
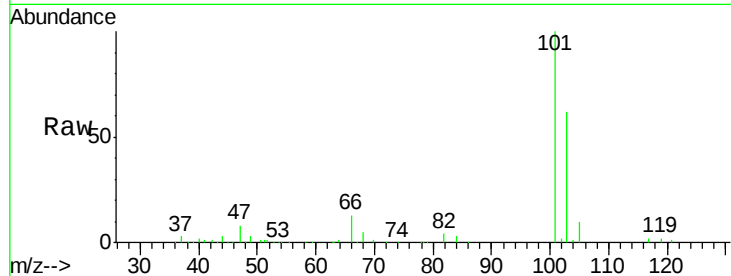
Trichlorofluoromethane
Concen: 19.735 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.9	77.9

Manual Integrations
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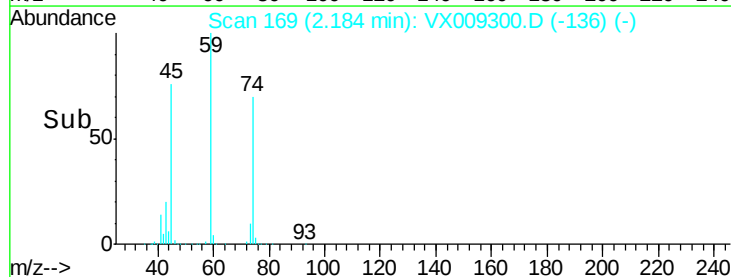
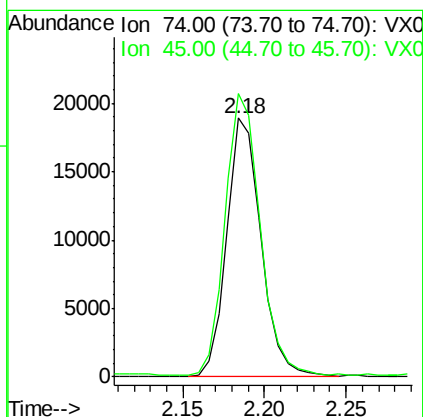
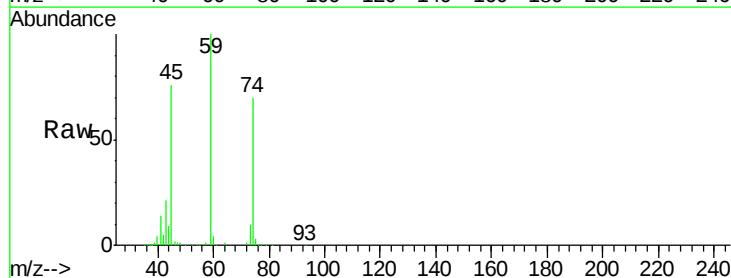
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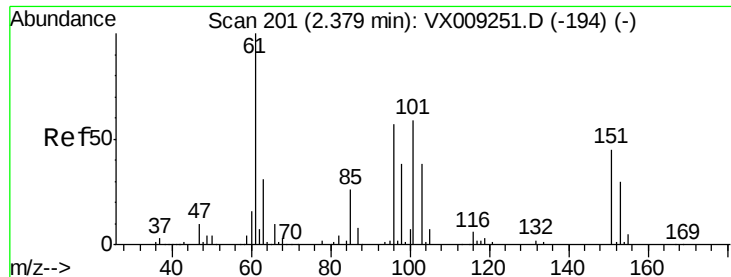


#8

Diethyl Ether
Concen: 19.452 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.4	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.330 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

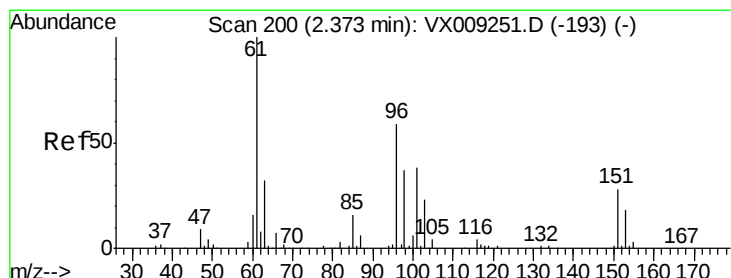
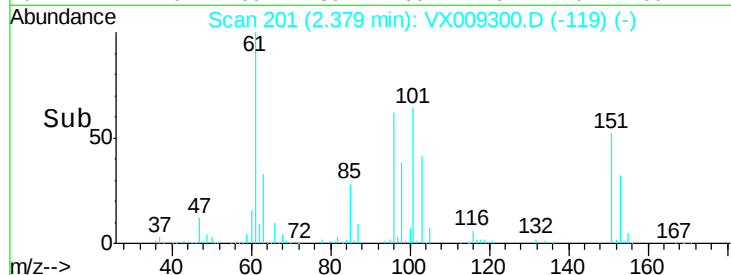
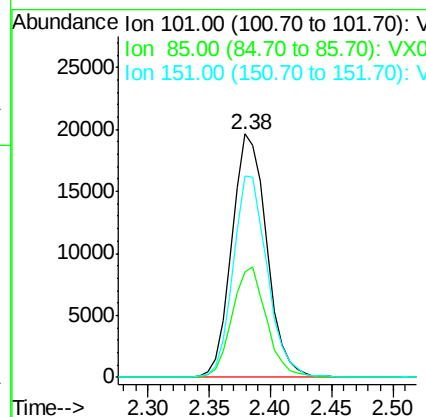
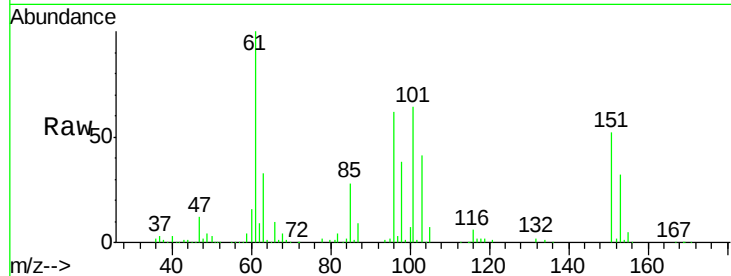
ClientSampled :

VSTDCCC020

Tot Ion:	101	Resp:	38814
Ion Ratio	Lower	Upper	
101	100		
85	44.5	0.0	87.4
151	80.9	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.933 ug/l

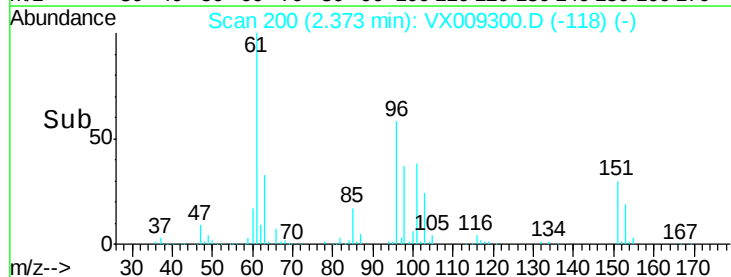
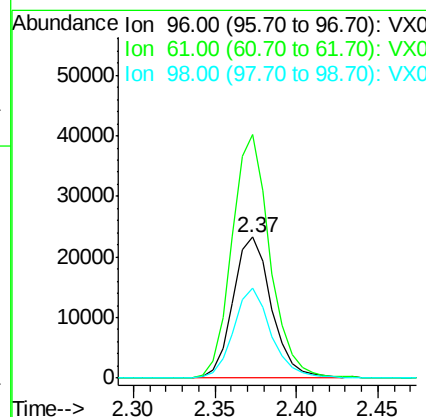
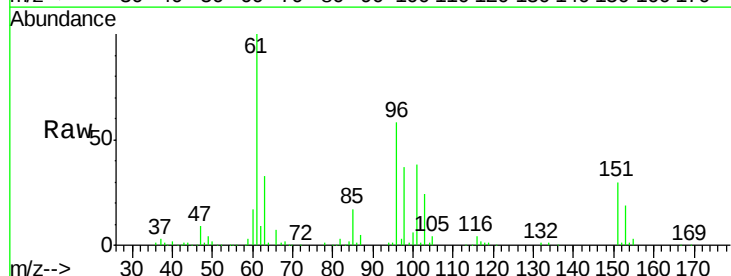
RT: 2.37 min Scan# 200

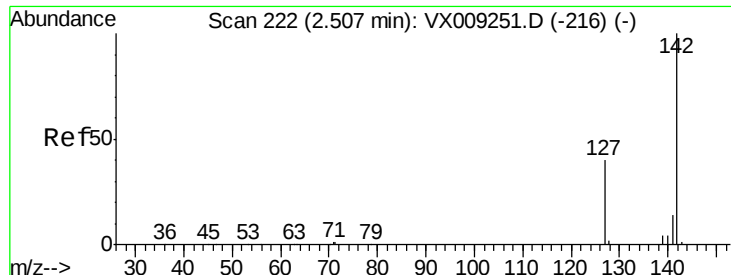
Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tgt Ion:	96	Resp:	38211
Ion Ratio	Lower	Upper	
96	100		
61	173.2	136.5	204.7
98	64.0	51.0	76.4





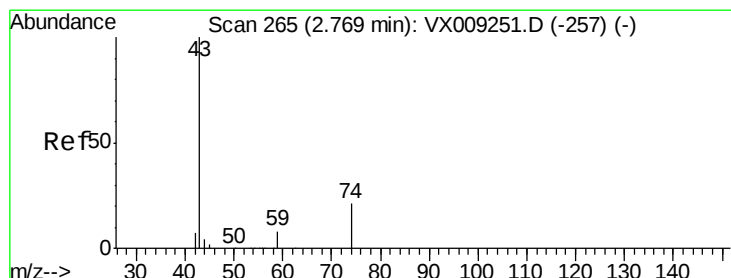
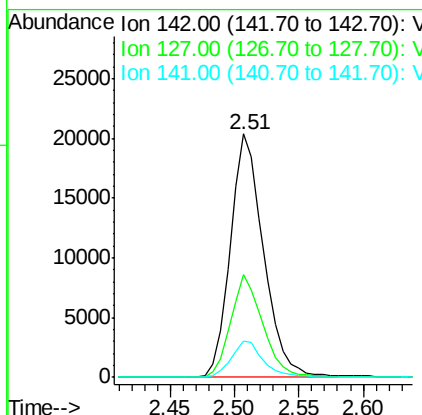
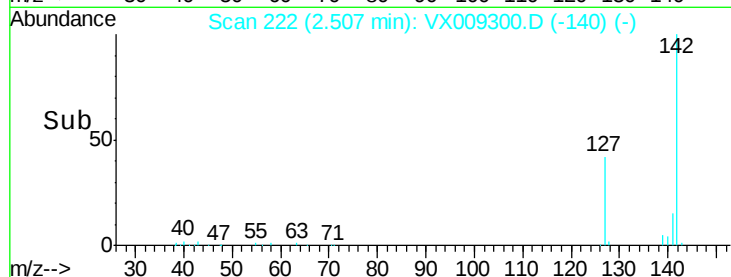
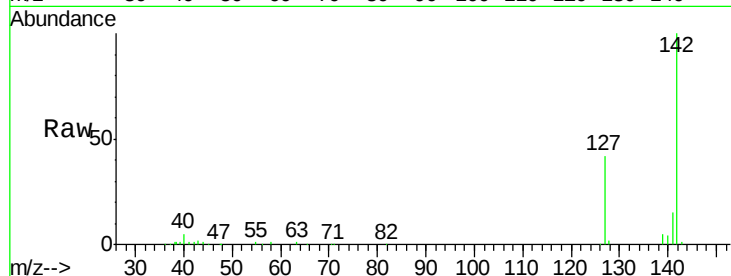
#11
Methvl Iodide
Concen: 17.573 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.1	20.2	60.5
141	14.8	6.9	20.7

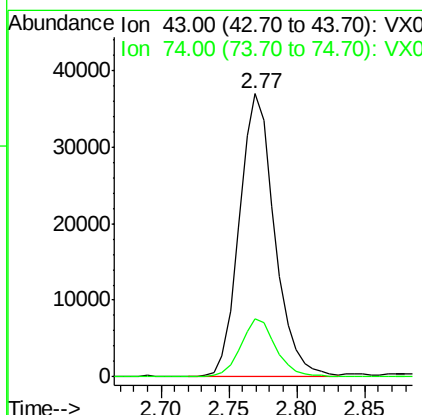
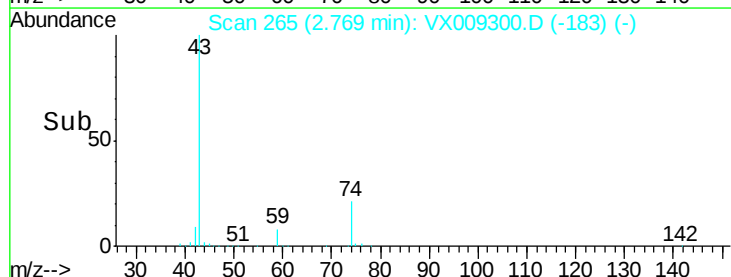
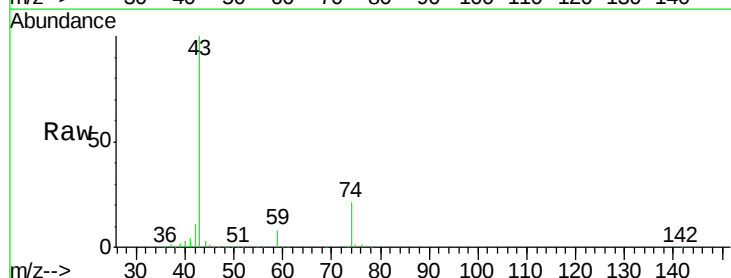
Manual Integrations
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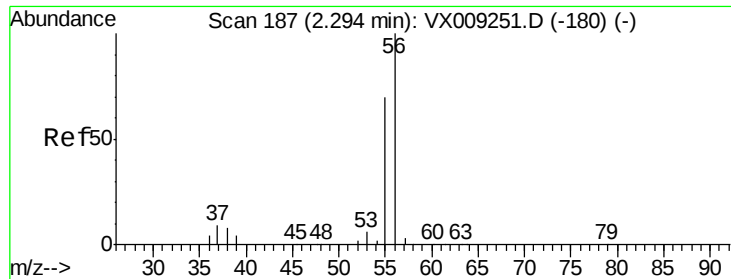
MMDadoda
5/6/2019 9:28:13 AM



#12
Methyl Acetate
Concen: 18.363 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.5	24.7





#13

Acrolein

Concen: 85.341 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 42263

Ion Ratio Lower Upper

56 100

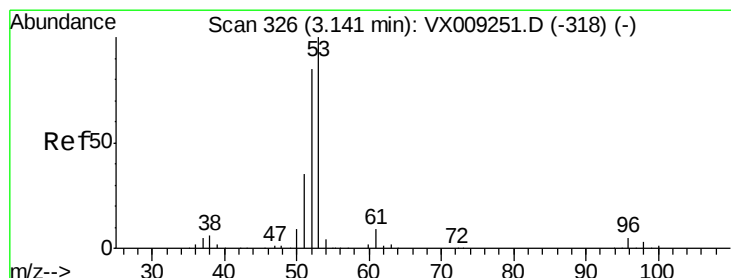
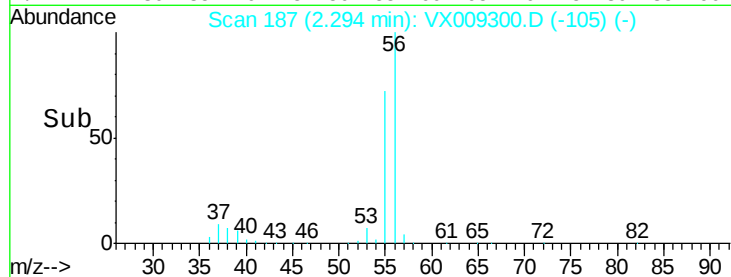
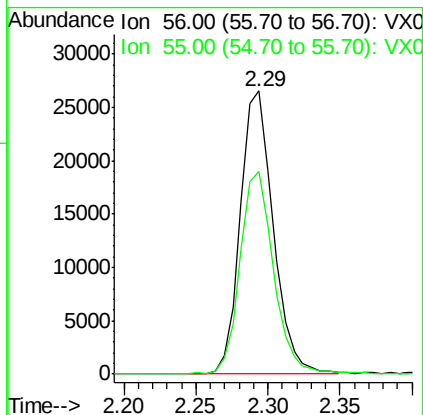
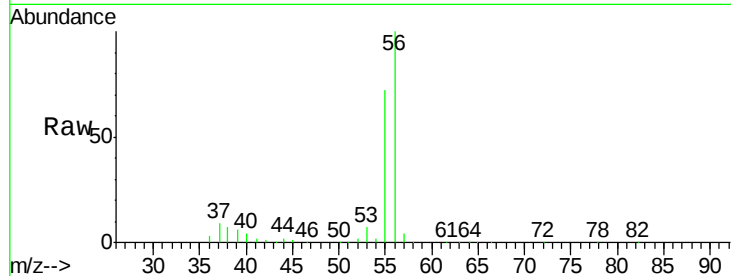
55 73.1 56.9 85.3

Manual Integrations

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#14

Acrylonitrile

Concen: 95.214 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

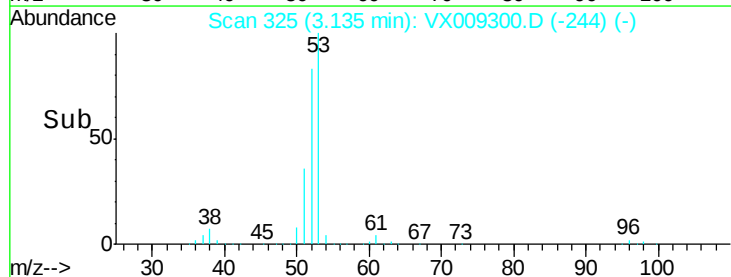
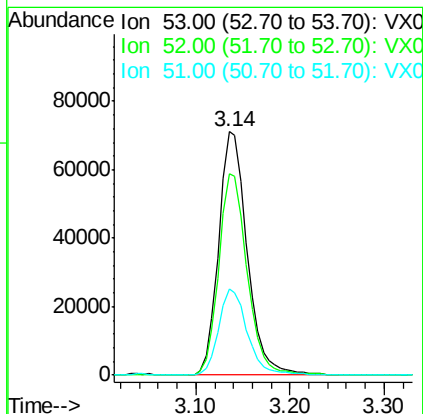
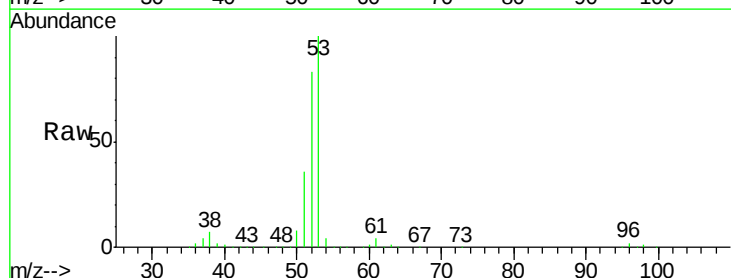
Tgt Ion: 53 Resp: 149198

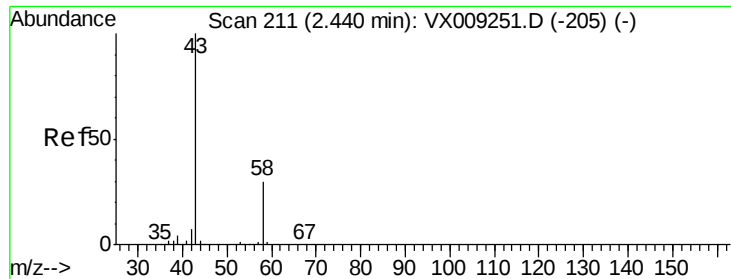
Ion Ratio Lower Upper

53 100

52 82.4 41.5 124.5

51 35.6 17.8 53.3





#15

Acetone

Concen: 103.022 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 46349

Ion Ratio Lower Upper

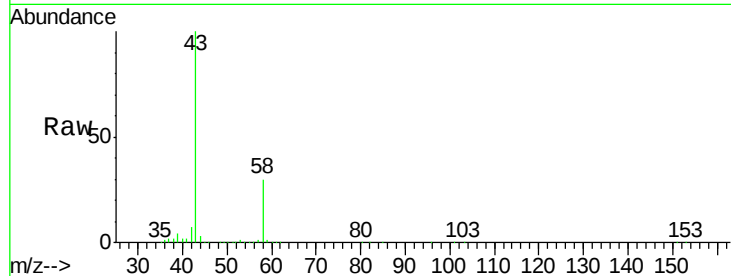
58 100

43 337.4 264.0 396.0

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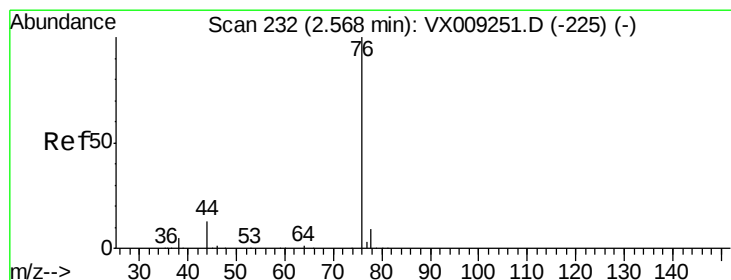
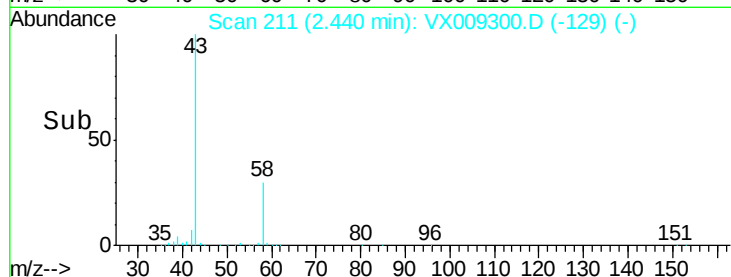
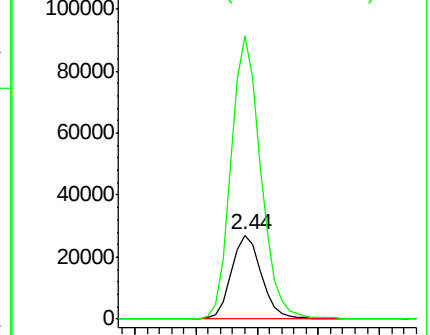
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.356 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009300.D

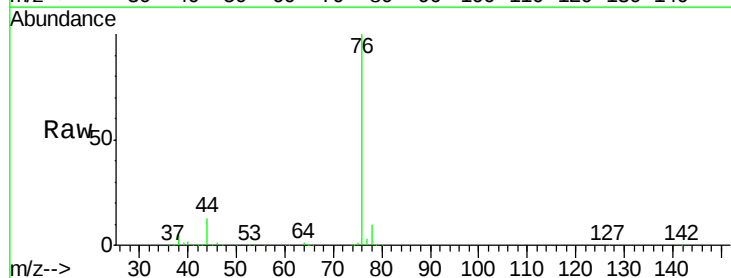
Acq: 03 May 2019 09:47

Tgt Ion: 76 Resp: 100394

Ion Ratio Lower Upper

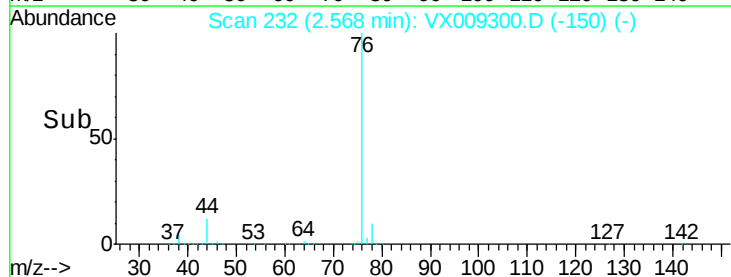
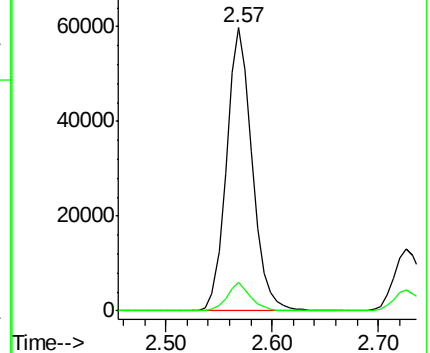
76 100

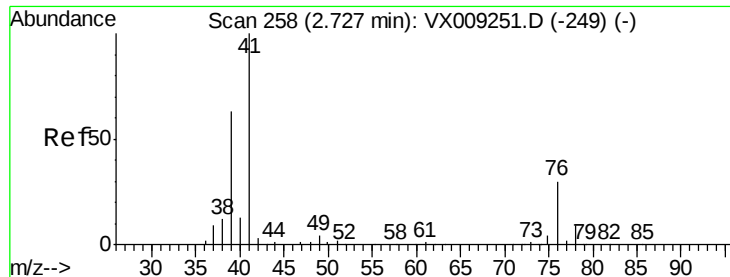
78 10.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 19.334 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

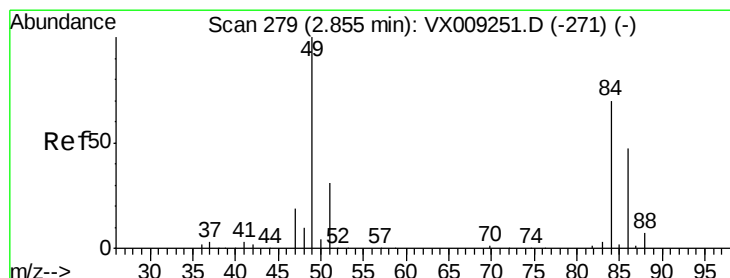
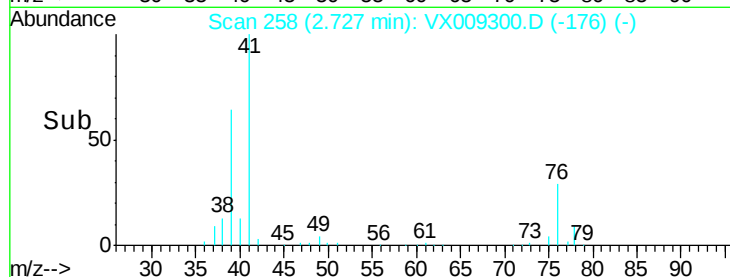
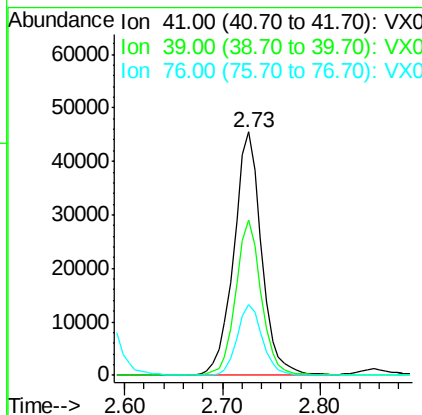
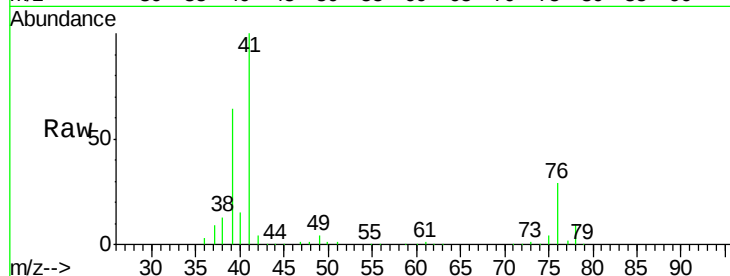
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	88976
Ion	Ratio	Lower	Upper
41	100		
39	63.7	31.6	94.7
76	28.9	15.1	45.3

Manual Integrations
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#18

Methylene Chloride

Concen: 19.801 ug/l

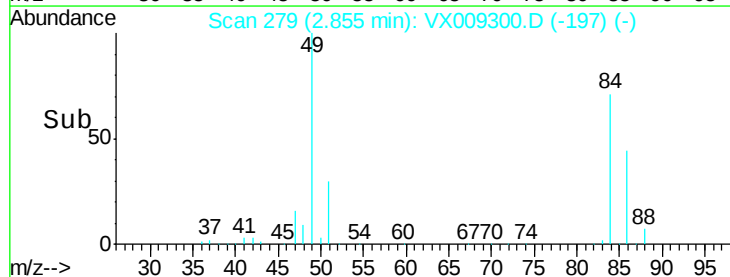
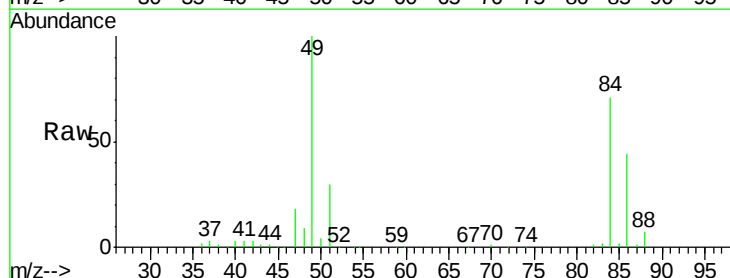
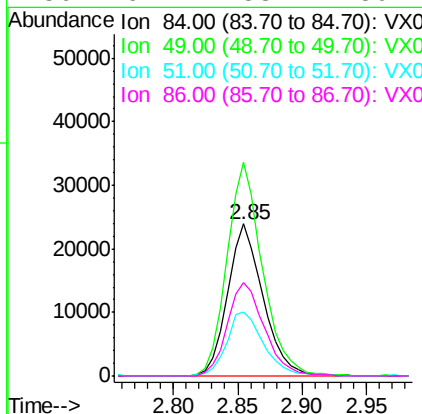
RT: 2.85 min Scan# 279

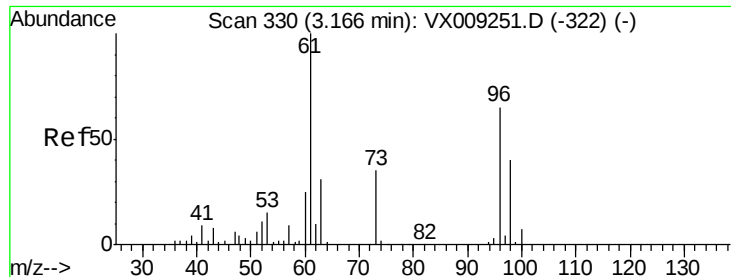
Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tgt Ion:	84	Resp:	45874
Ion	Ratio	Lower	Upper
84	100		
49	139.9	114.6	171.8
51	42.2	35.5	53.3
86	61.1	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 19.613 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

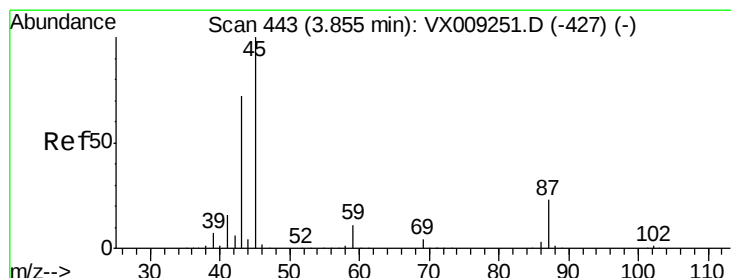
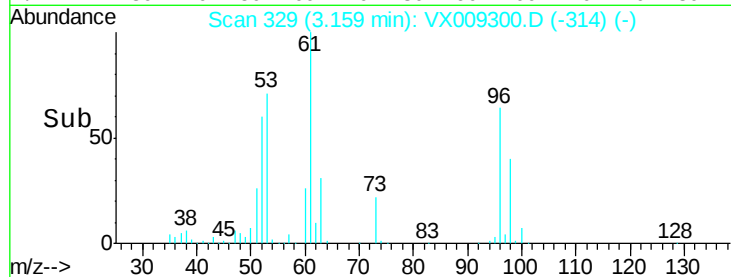
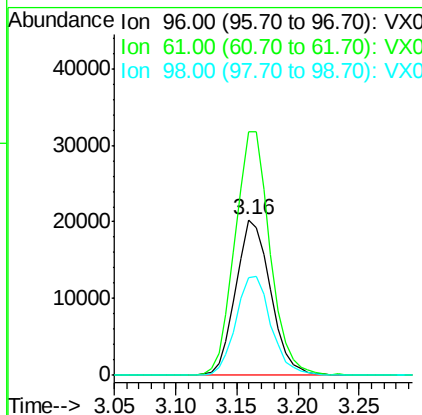
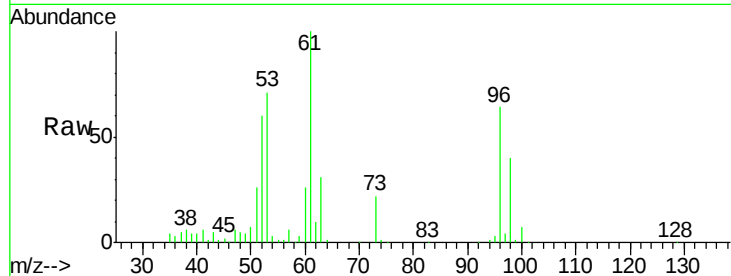
ClientSampled :

VSTDCCC020

Tot Ion:	96	Resp:	40086
Ion	Ratio	Lower	Upper
96	100		
61	156.7	122.7	184.1
98	62.6	49.5	74.3

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.838 ug/l

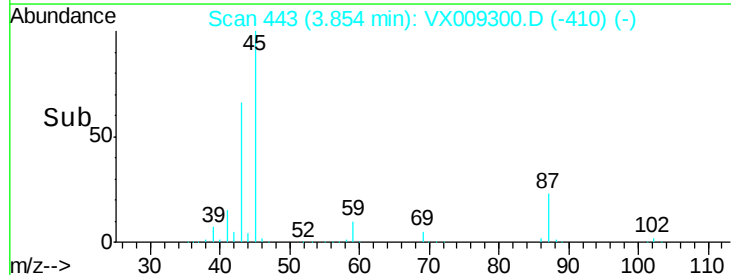
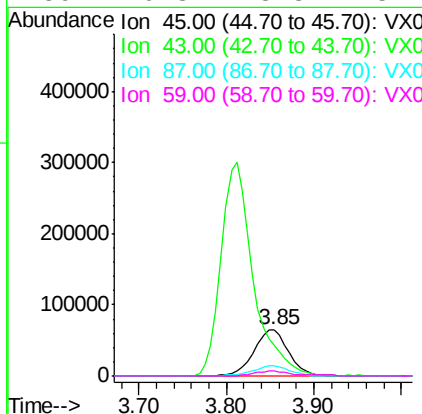
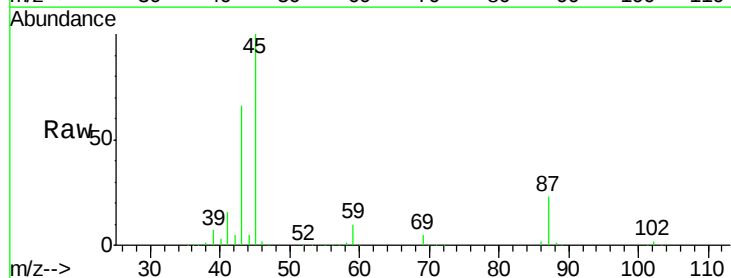
RT: 3.85 min Scan# 443

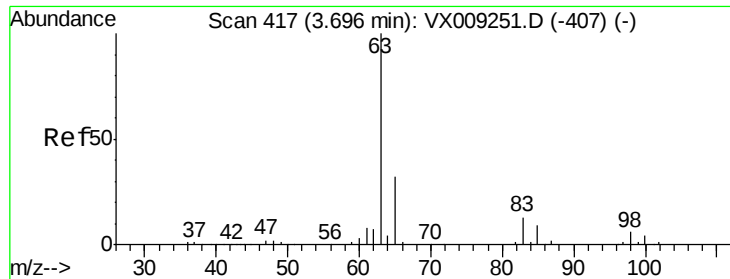
Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tgt Ion:	45	Resp:	179793
Ion	Ratio	Lower	Upper
45	100		
43	66.1	57.7	86.5
87	23.0	18.5	27.7
59	10.3	8.8	13.2





#21

1,1-Dichloroethane

Concen: 19.700 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

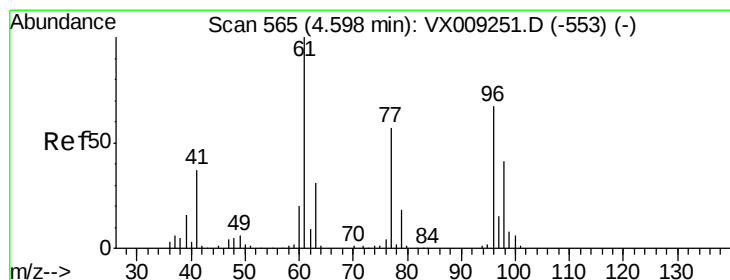
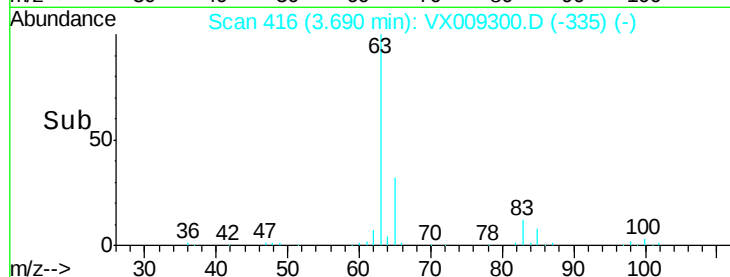
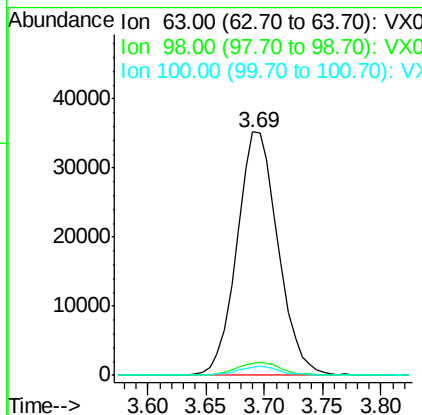
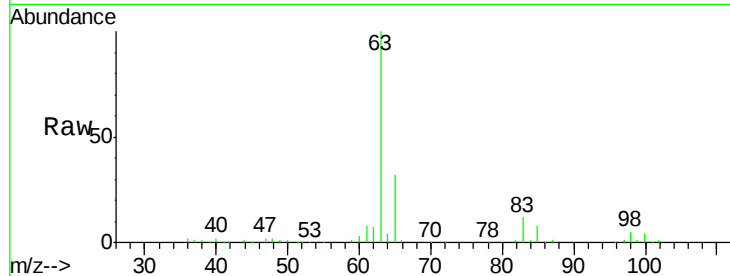
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	86404
Ion Ratio	Lower	Upper	
63	100		
98	5.2	3.1	9.3
100	3.5	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.503 ug/l

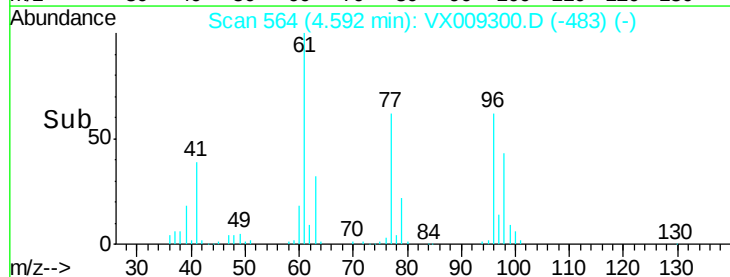
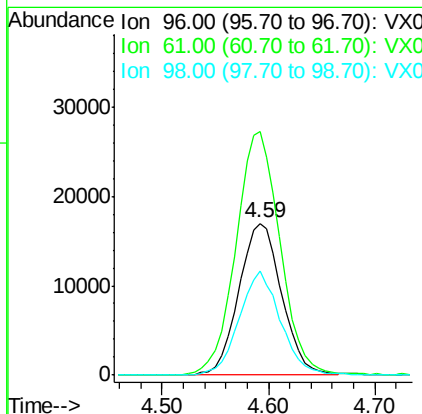
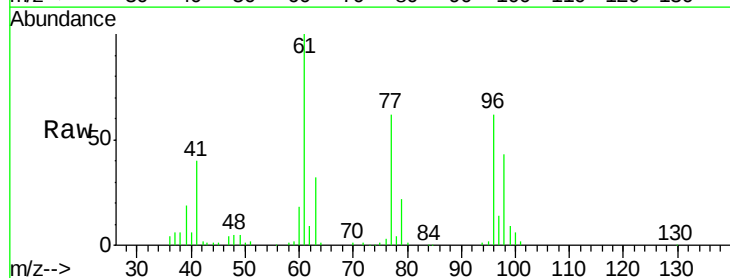
RT: 4.59 min Scan# 564

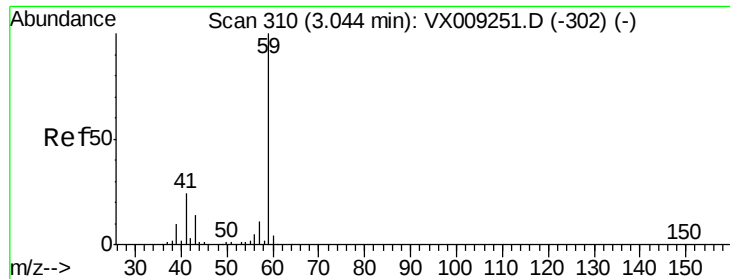
Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tgt Ion:	96	Resp:	48016
Ion Ratio	Lower	Upper	
96	100		
61	165.1	127.7	191.5
98	65.8	50.5	75.7





#23

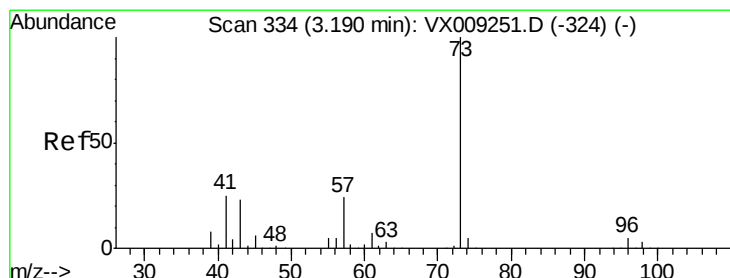
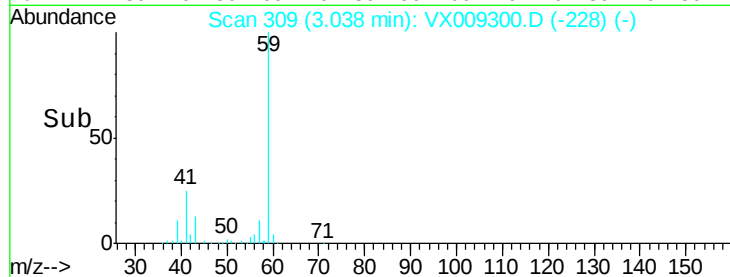
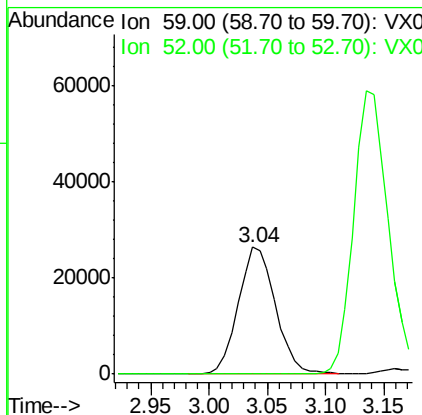
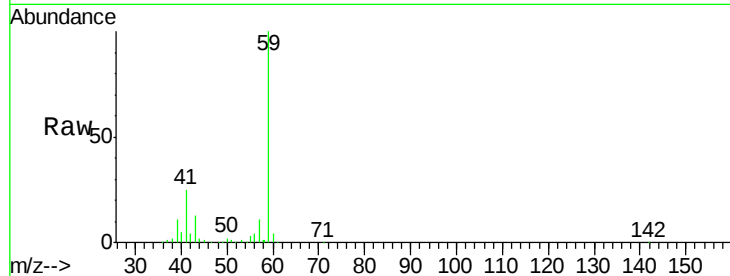
tert-Butyl Alcohol
 Concen: 89.182 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

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

Manual Integrations
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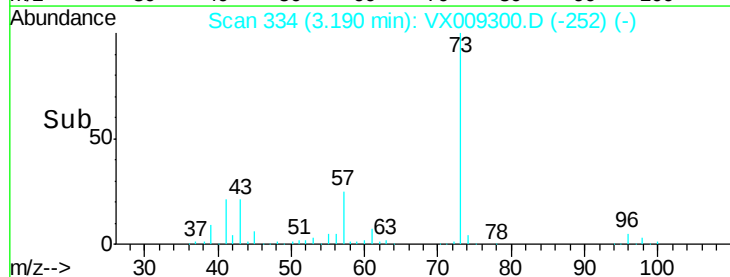
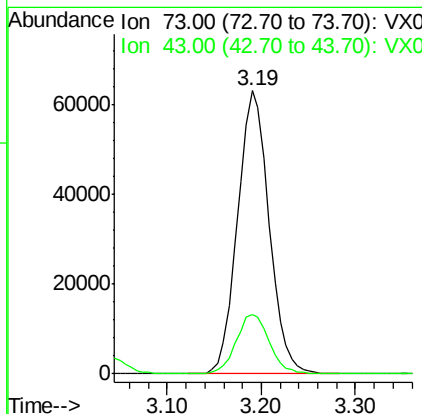
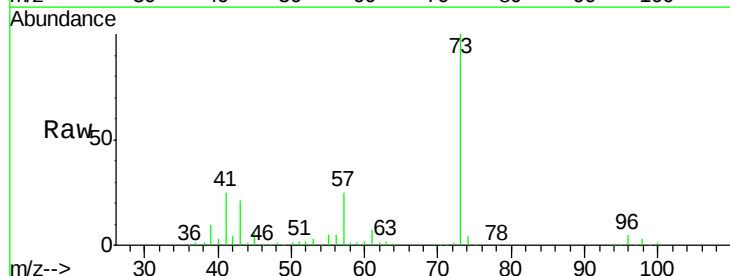
MMDadoda
 5/6/2019 9:28:13 AM

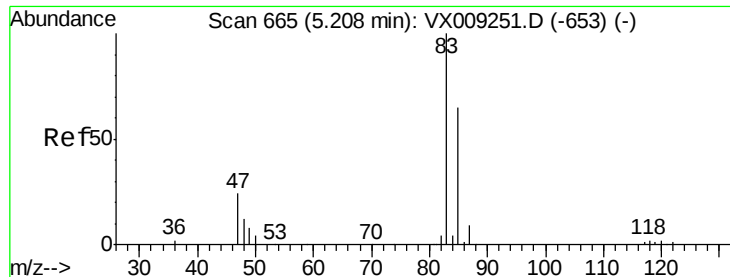


#24

Methyl tert-Butyl Ether
 Concen: 19.554 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.1	17.6	26.4





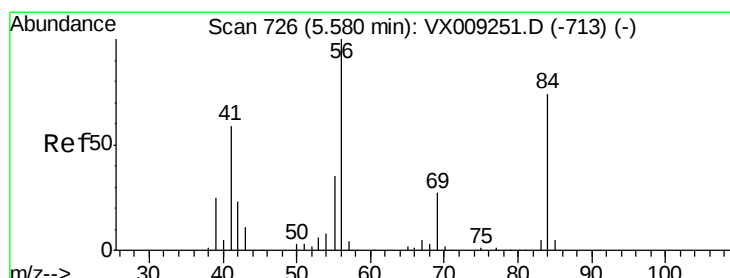
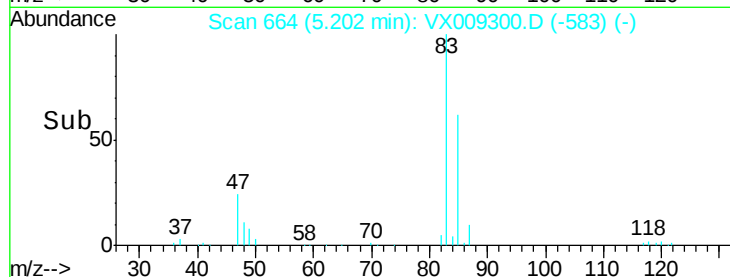
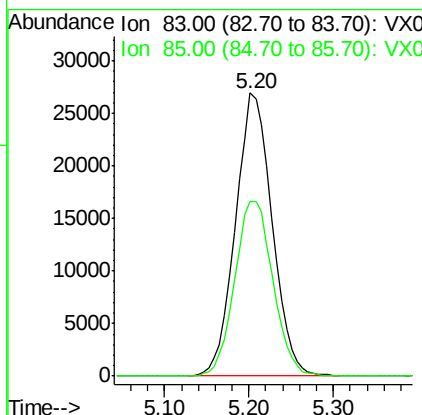
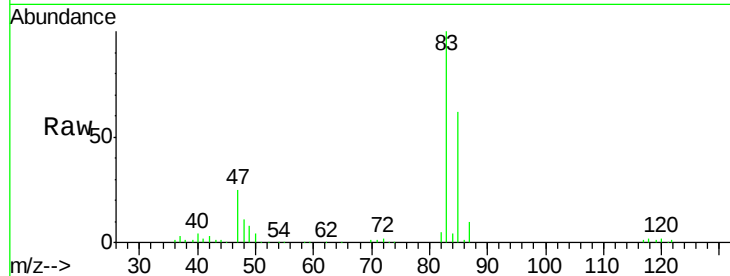
#25
Chloroform
Concen: 19.826 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	79351
Ion Ratio	100	Lower	Upper
85	61.6	51.9	77.9

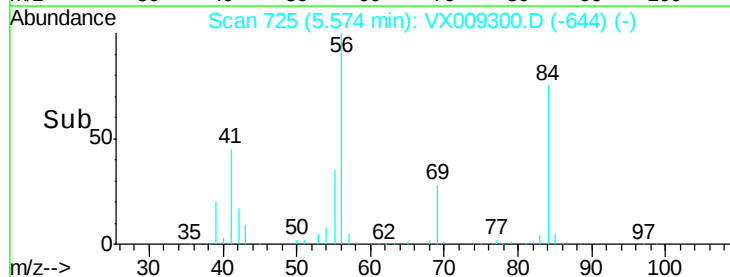
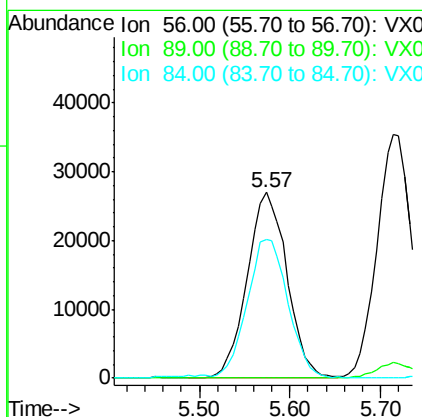
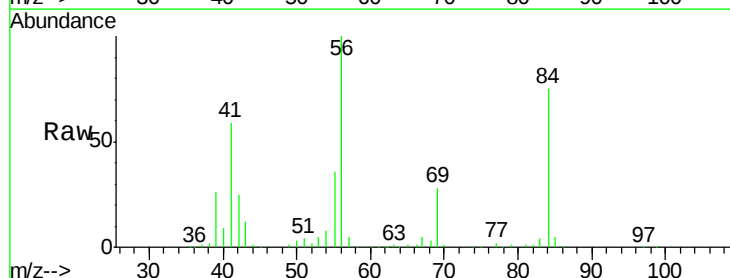
Manual Integrations
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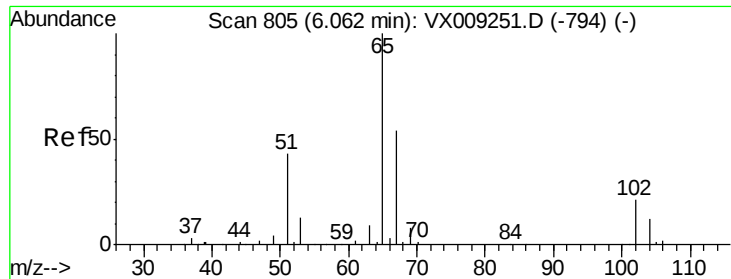
MMDadoda
5/6/2019 9:28:13 AM



#26
Cyclohexane
Concen: 20.092 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	56	Resp	82130
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	76.8	59.7	89.5





#27

1,2-Dichloroethane-d4

Concen: 29.492 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tot Ion: 65 Resp: 85743

Ion Ratio Lower Upper

65 100

67 53.5 43.1 64.7

Instrument :

MSVOA_X

ClientSampleId :

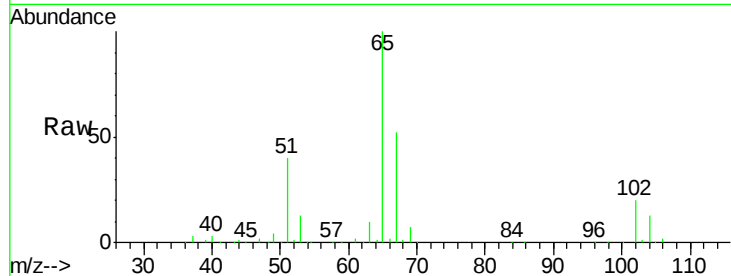
VSTDCCC020

Manual Integrations

APPROVED

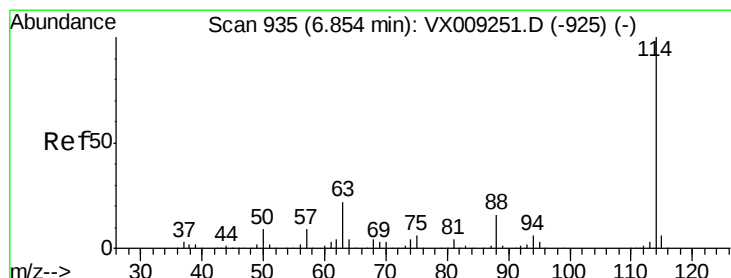
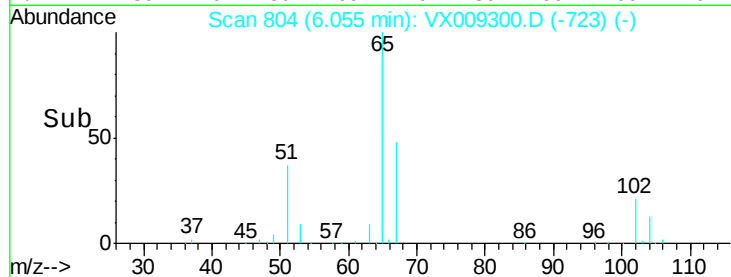
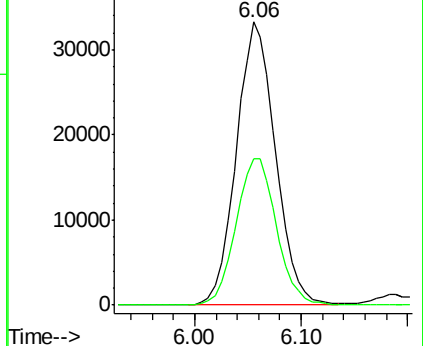
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

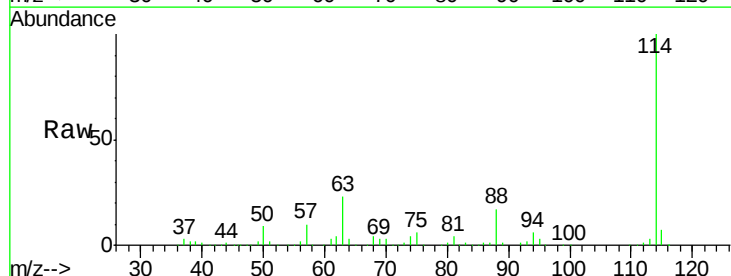
Tgt Ion: 114 Resp: 202997

Ion Ratio Lower Upper

114 100

63 23.2 18.0 27.0

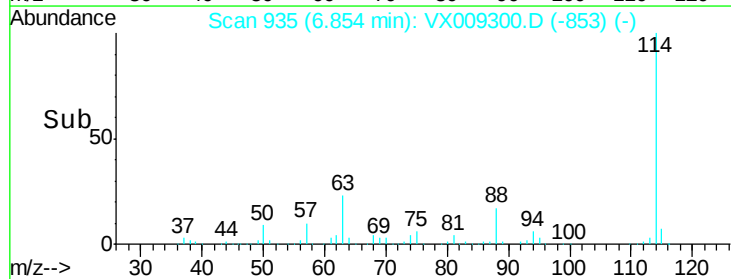
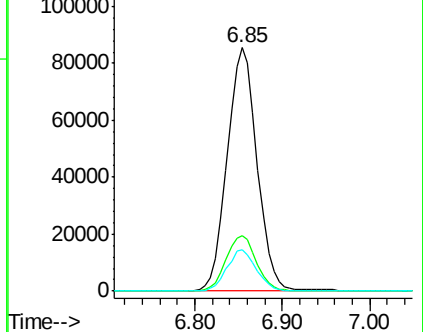
88 16.7 13.4 20.0

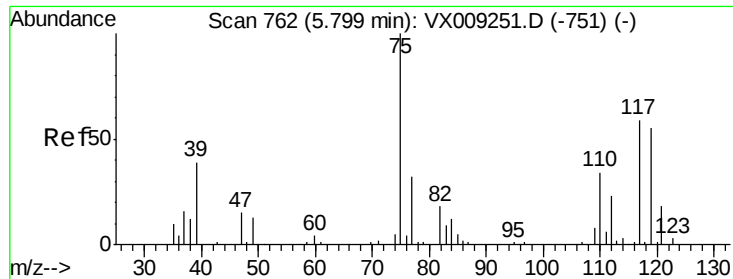


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





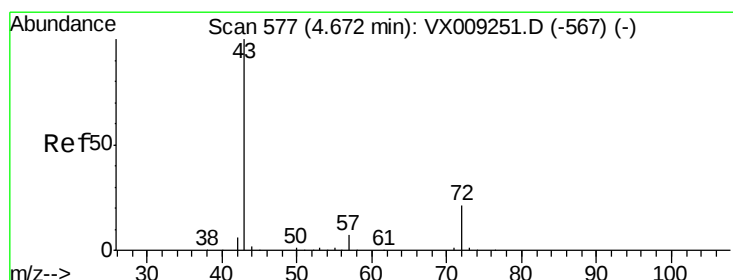
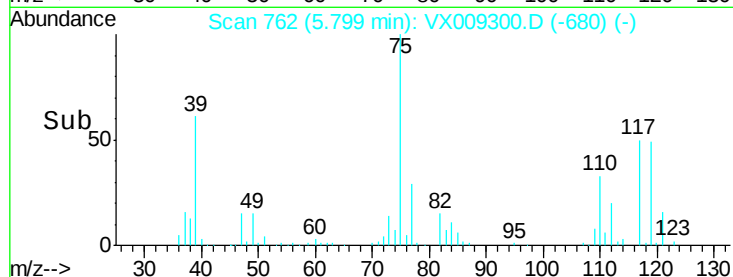
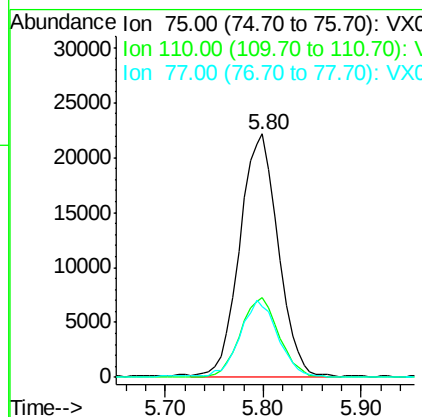
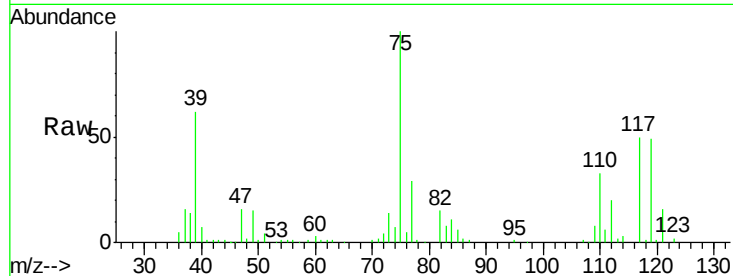
#29
 1,1-Dichloropropene
 Concen: 20.366 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.9	0.0	66.4
77	31.1	0.0	62.2

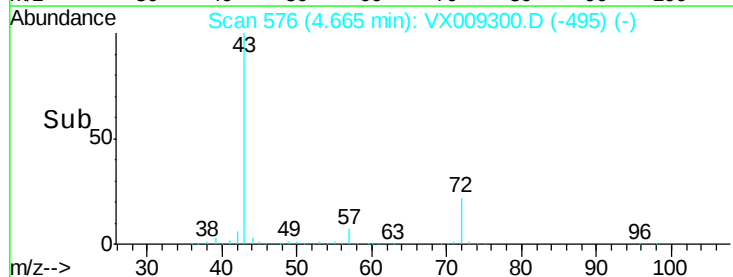
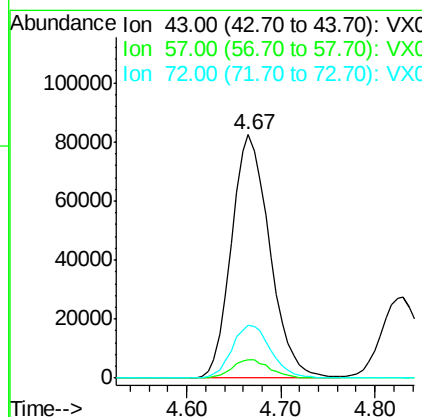
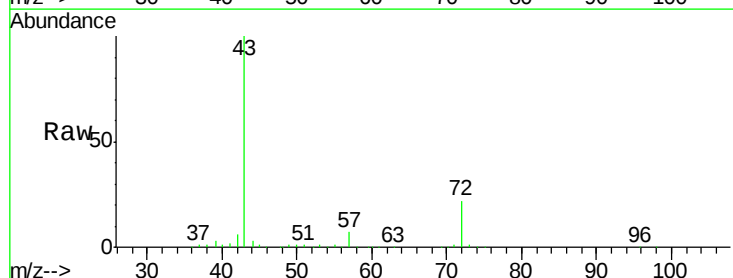
Manual Integrations
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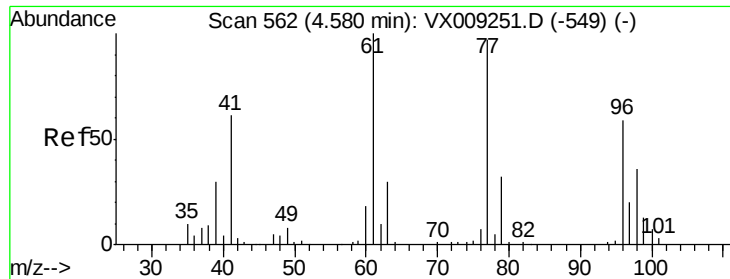
MMDadoda
 5/6/2019 9:28:13 AM



#30
 2-Butanone
 Concen: 99.927 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	6.0	9.0
72	22.2	18.2	27.4





#31

2,2-Dichloropropane

Concen: 19.902 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 65352

Ion Ratio Lower Upper

77 100

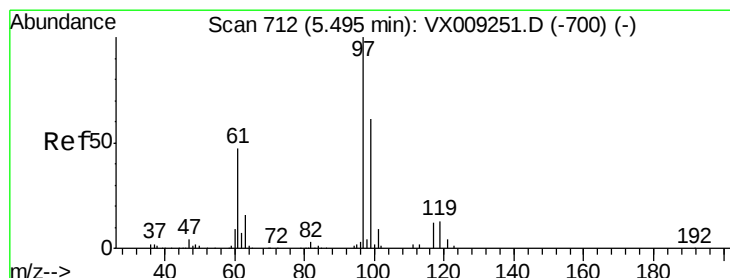
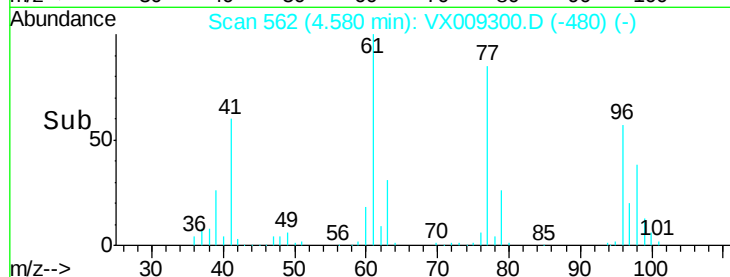
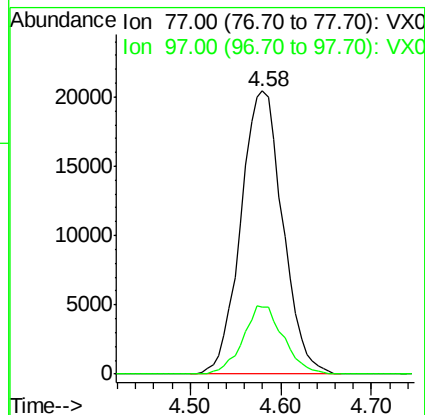
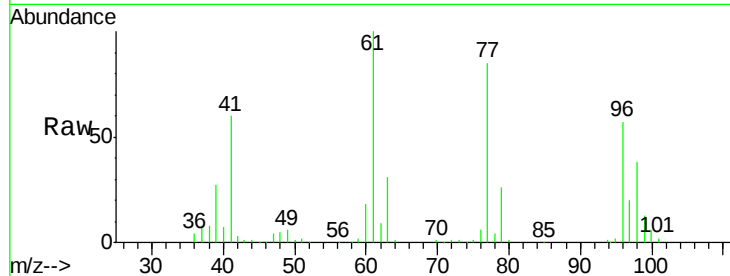
97 23.2 18.3 27.5

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 19.844 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

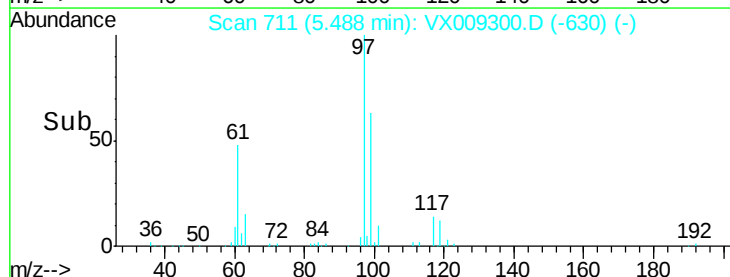
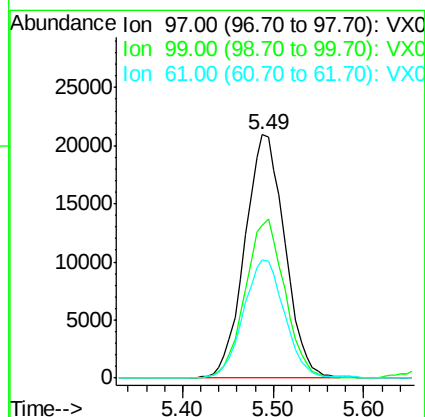
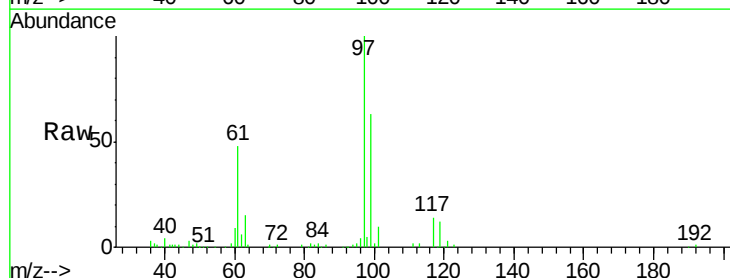
Tgt Ion: 97 Resp: 64076

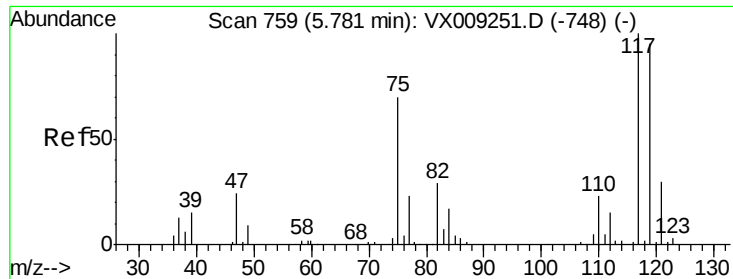
Ion Ratio Lower Upper

97 100

99 64.3 53.9 80.9

61 49.7 38.6 58.0





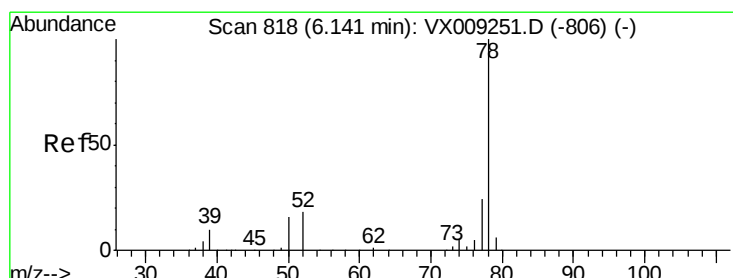
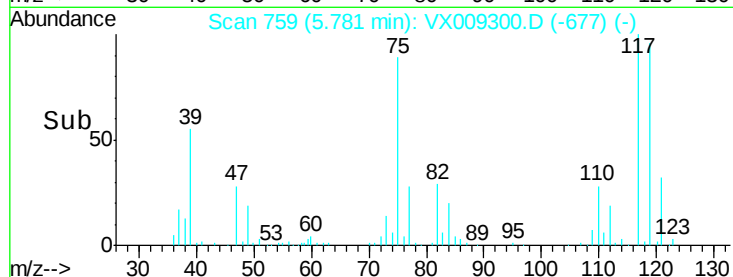
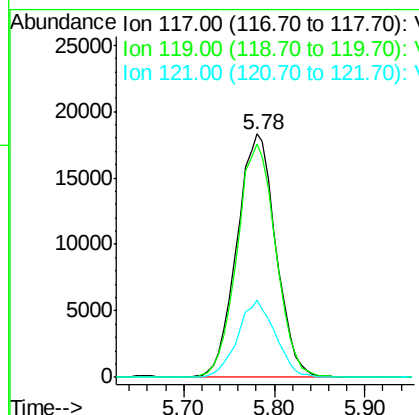
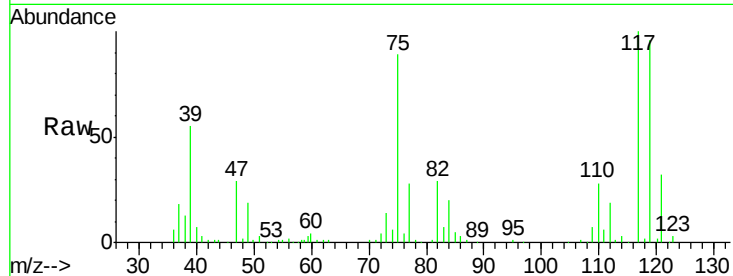
#33
Carbon Tetrachloride
Concen: 20.174 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 54503
Ion Ratio Lower Upper
117 100
119 95.9 76.1 114.1
121 31.9 24.4 36.6

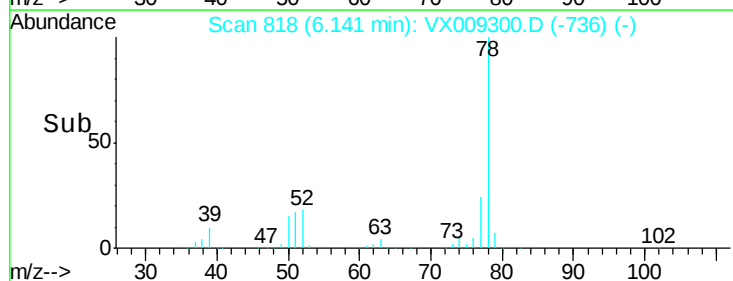
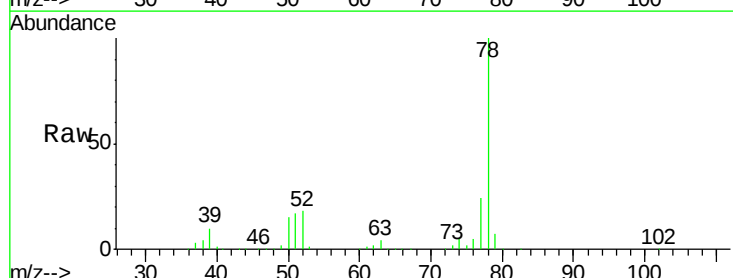
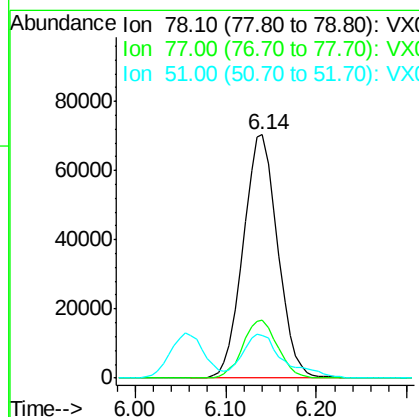
Manual Integrations
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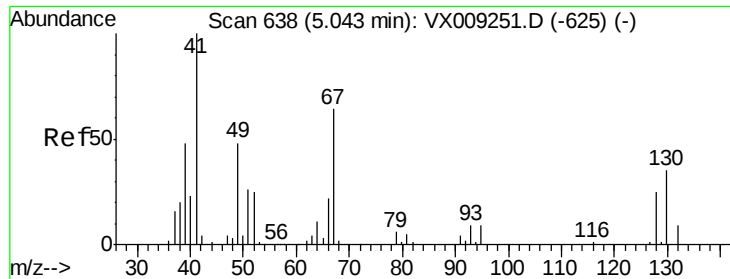
MMDadoda
5/6/2019 9:28:13 AM



#34
Benzene
Concen: 20.234 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion: 78 Resp: 185810
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2
51 16.8 13.5 20.3





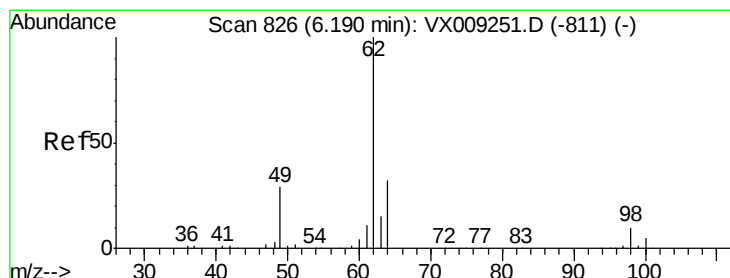
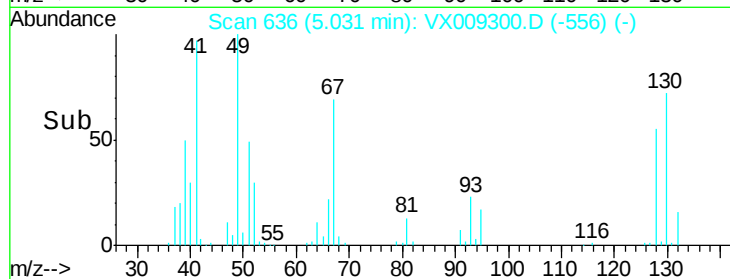
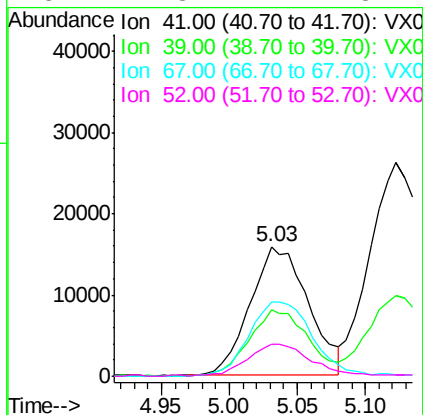
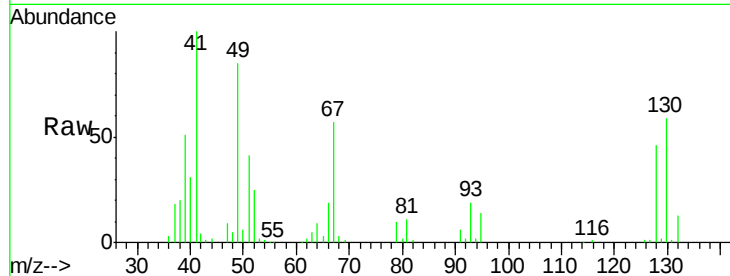
#35
Methacrylonitrile
Concen: 19.463 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.01 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	24.1	72.3	
67	57.3	32.2	96.6	
52	24.3	12.4	37.4	

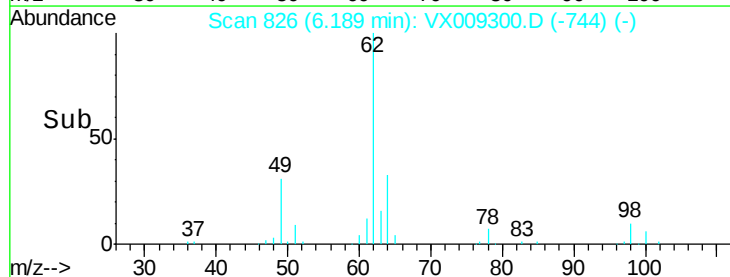
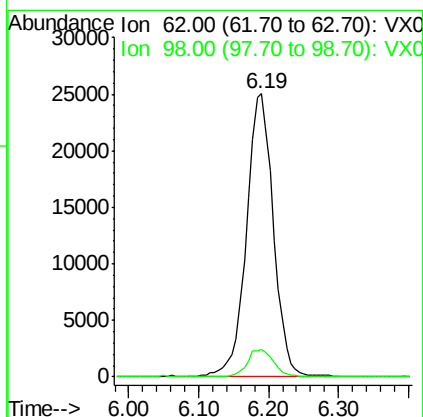
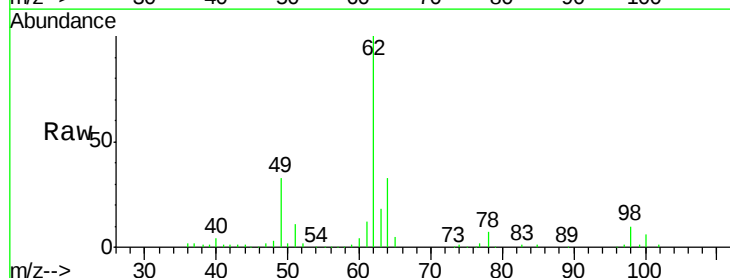
Manual Integrations
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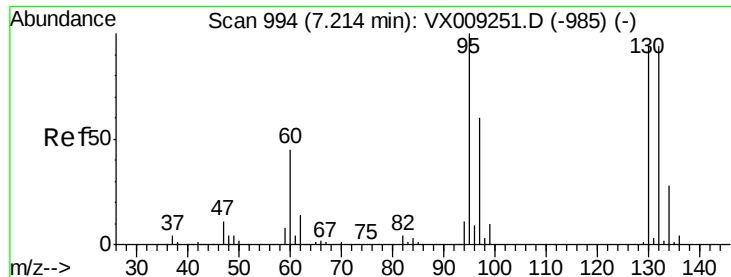
MMDadoda
5/6/2019 9:28:13 AM



#36
1,2-Dichloroethane
Concen: 20.158 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	7.4	11.2	





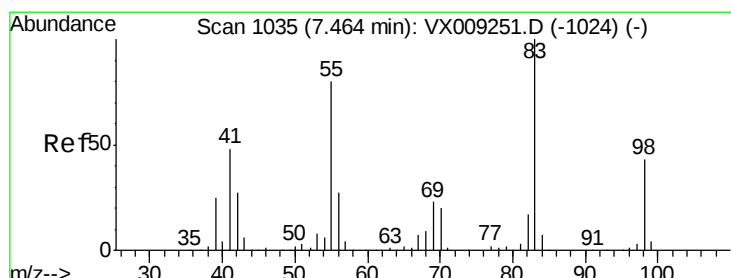
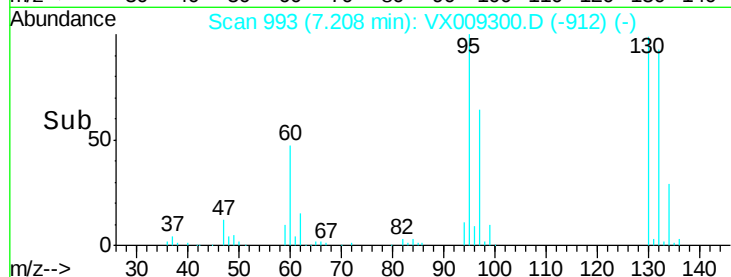
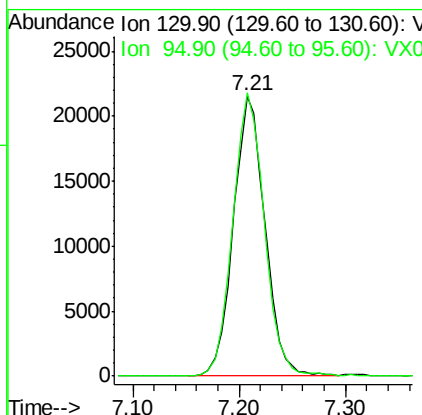
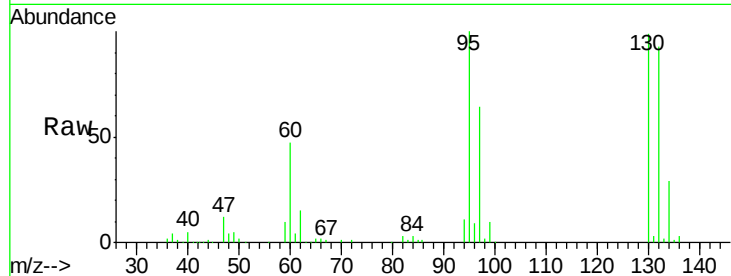
#37
 Trichloroethene
 Concen: 20.341 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 44966
 Ion Ratio Lower Upper
 130 100
 95 101.0 85.0 127.4

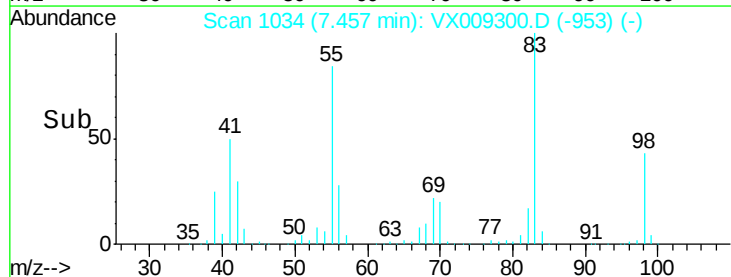
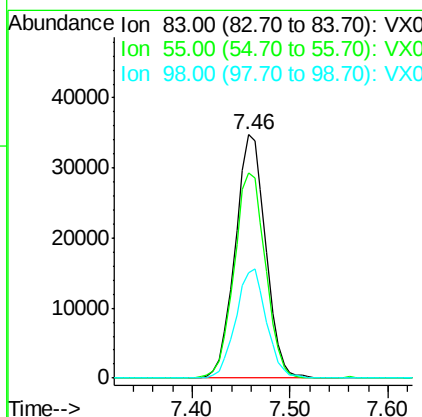
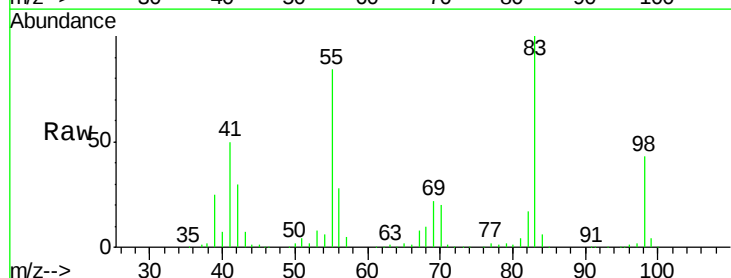
Manual Integrations
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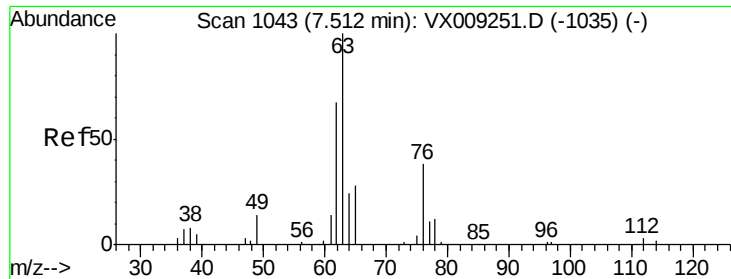
MMDadoda
 5/6/2019 9:28:13 AM



#38
 Methylcyclohexane
 Concen: 20.482 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion: 83 Resp: 75376
 Ion Ratio Lower Upper
 83 100
 55 86.0 43.0 129.2
 98 45.2 22.1 66.1





#39

1,2-Dichloropropane

Concen: 20.473 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 63 Resp: 53539

Ion Ratio Lower Upper

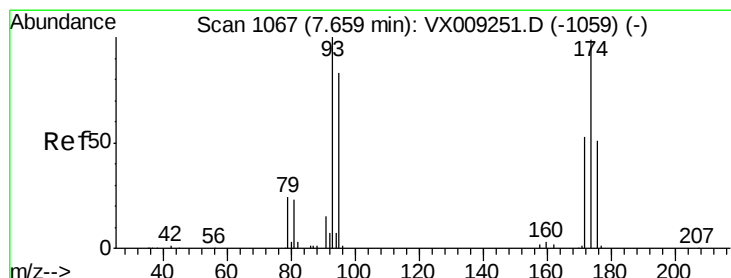
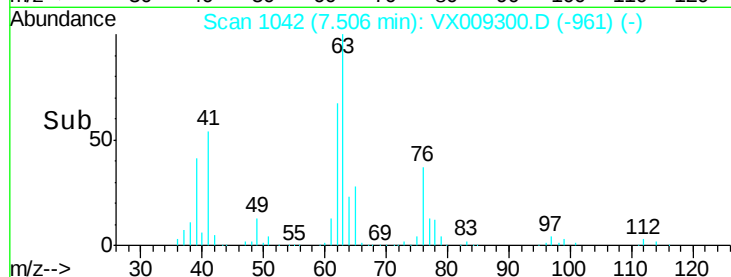
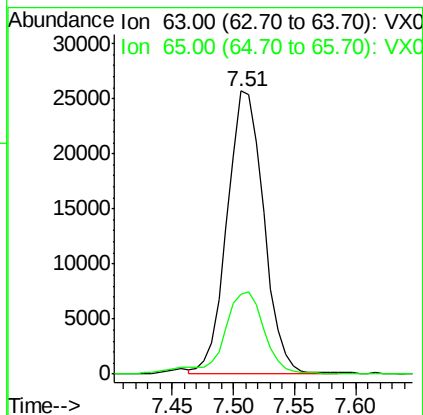
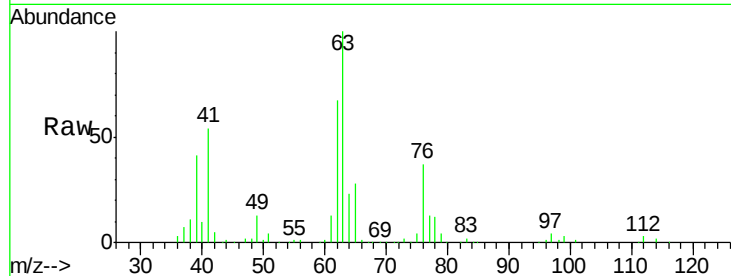
63 100

65 28.2 24.0 36.0

Manual Integrations
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#40

Dibromomethane

Concen: 20.128 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

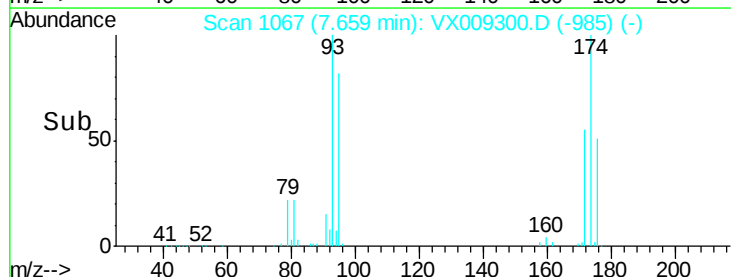
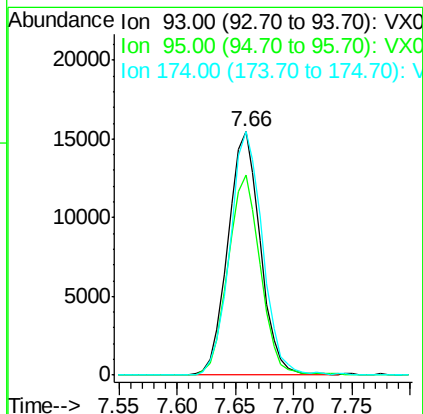
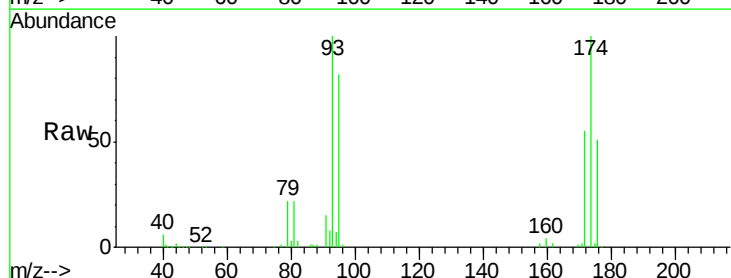
Tgt Ion: 93 Resp: 29875

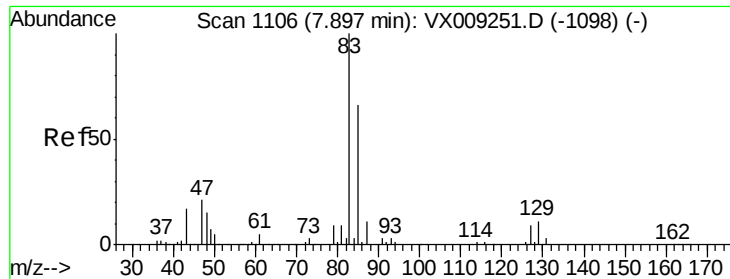
Ion Ratio Lower Upper

93 100

95 81.8 0.0 167.2

174 101.0 0.0 203.4





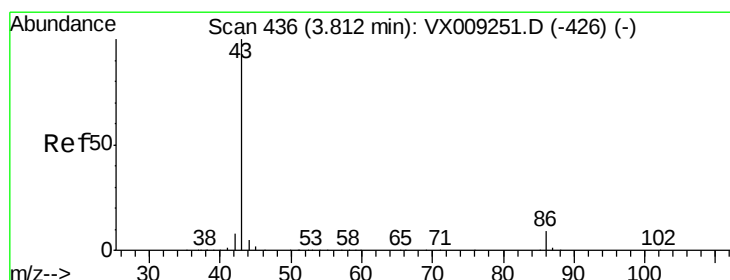
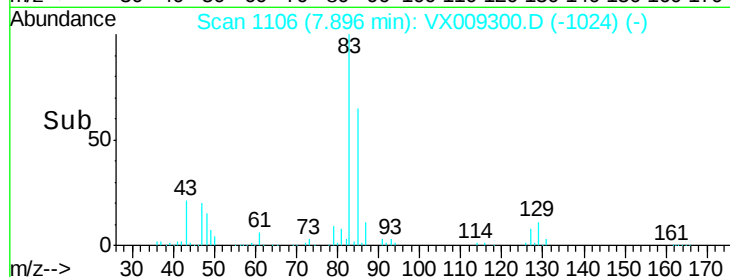
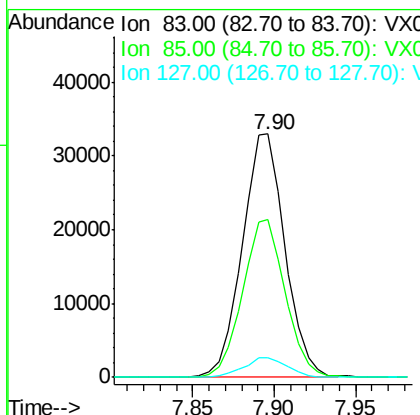
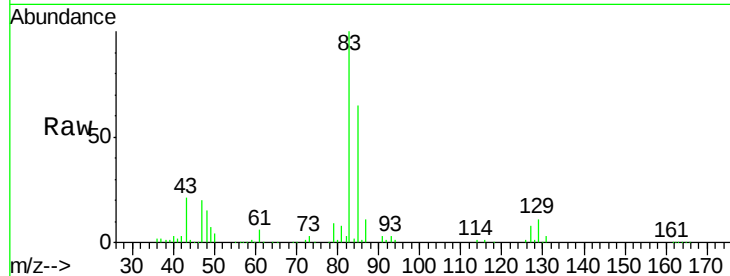
#41
Bromodichloromethane
Concen: 19.711 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	59757
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	52.6	79.0
127	8.3	6.9	10.3

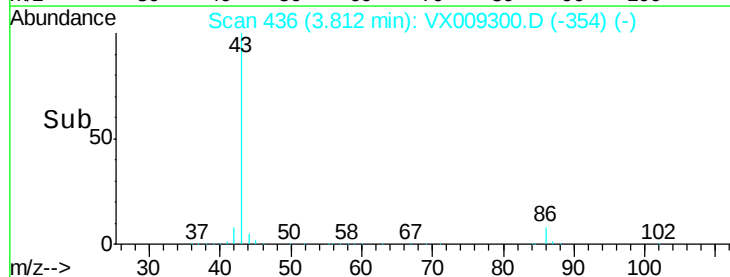
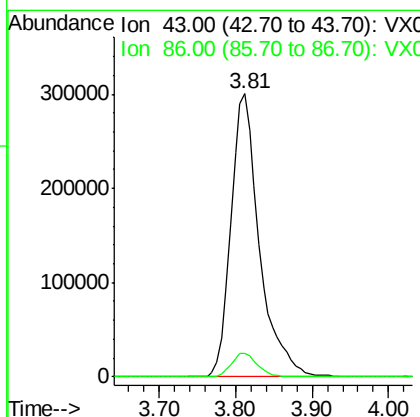
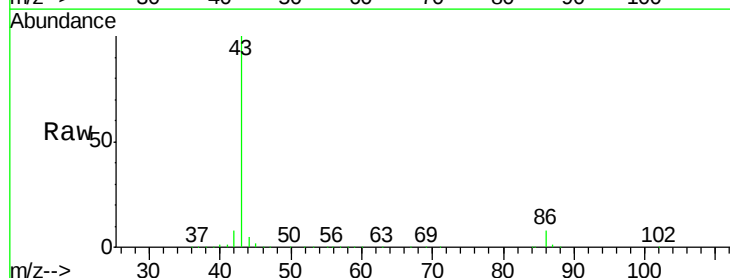
Manual Integrations
APPROVED

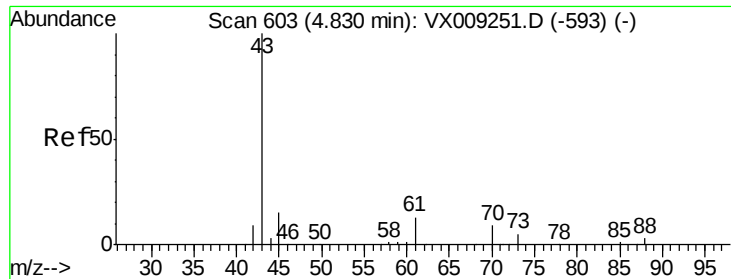
MMDadoda
5/6/2019 9:28:13 AM



#42
Vinyl Acetate
Concen: 100.668 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	43	Resp	775048
Ion Ratio	100	Lower	Upper
43	100		
86	7.7	6.0	9.0





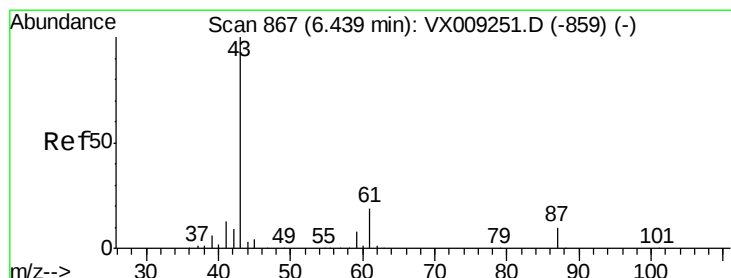
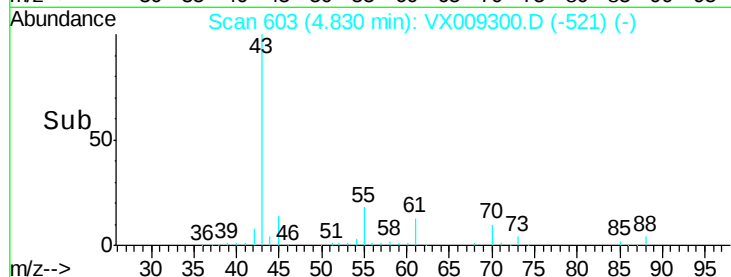
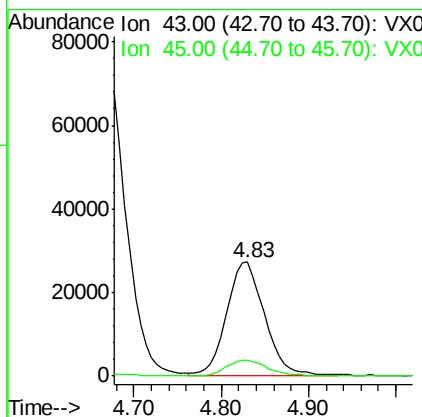
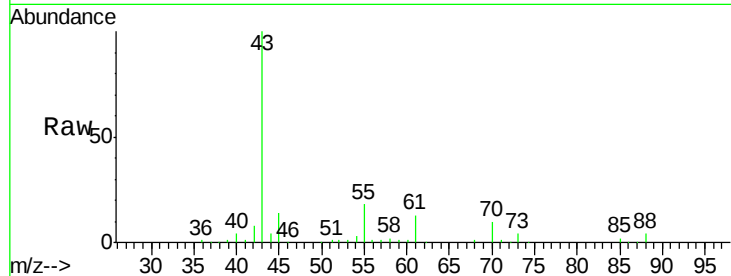
#43
Ethyl Acetate
Concen: 19.464 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 82044
Ion Ratio Lower Upper
43 100
45 15.5 11.8 17.8

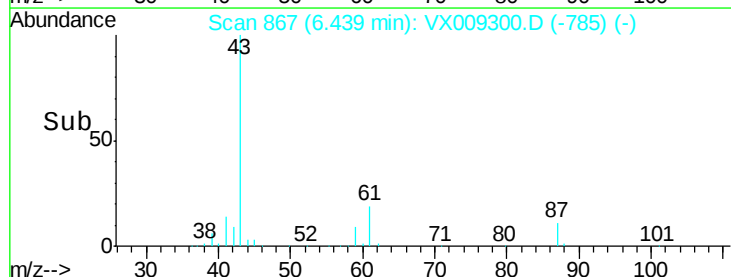
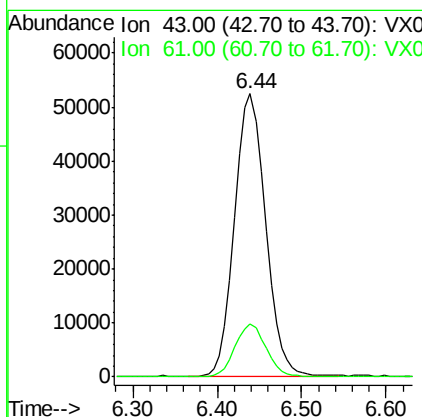
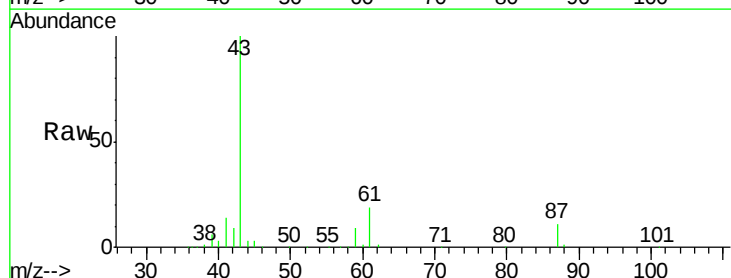
Manual Integrations
APPROVED

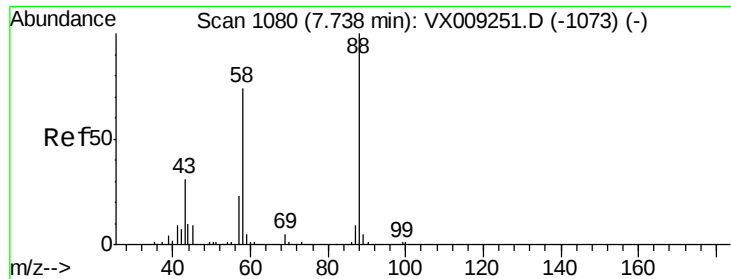
MMDadoda
5/6/2019 9:28:13 AM



#44
Isopropyl Acetate
Concen: 19.212 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion: 43 Resp: 131188
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.2





#45

1,4-Dioxane

Concen: 386.503 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

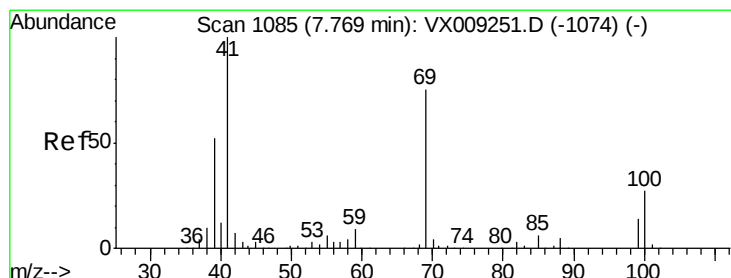
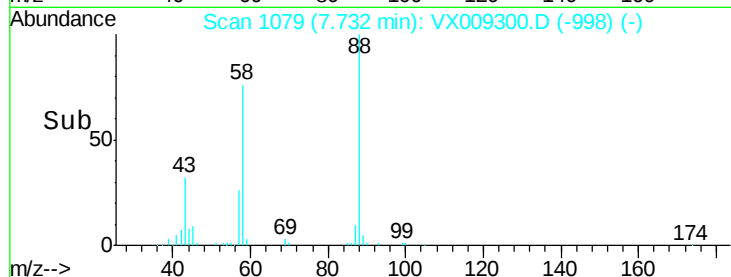
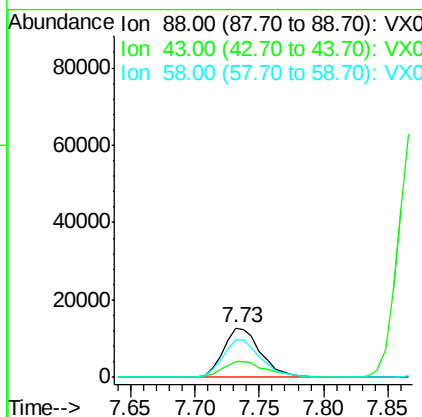
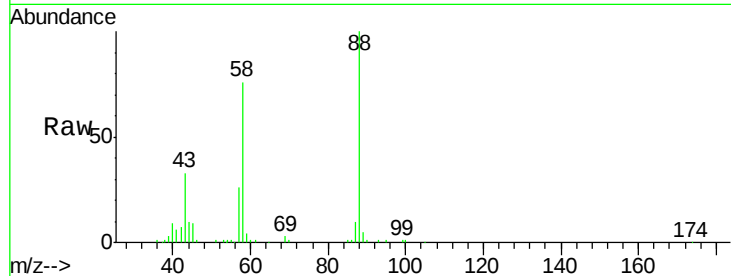
ClientSampleId :

VSTDCCC020

Tot Ion:	88	Resp:	25912
Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.5	42.7
58	78.0	62.5	93.7

Manual Integrations
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5/6/2019 9:28:13 AM



#46

Methyl methacrylate

Concen: 19.566 ug/l

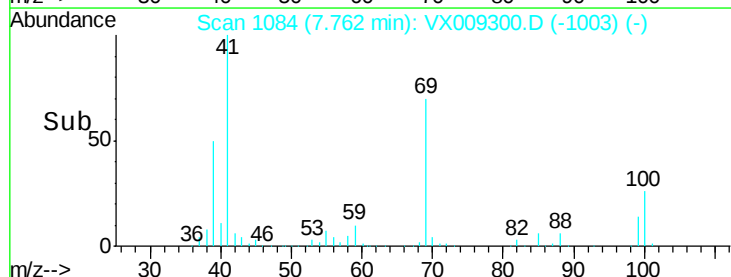
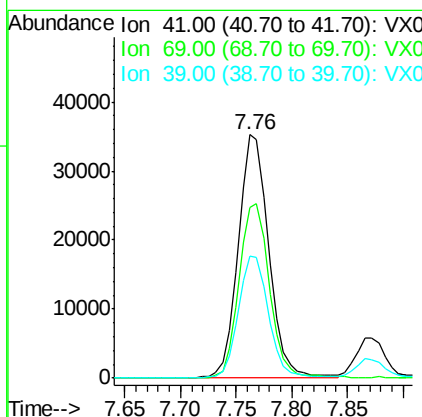
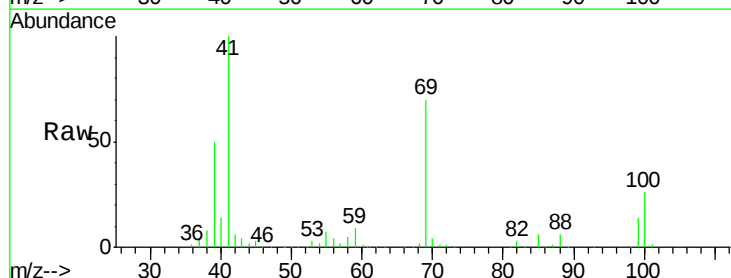
RT: 7.76 min Scan# 1084

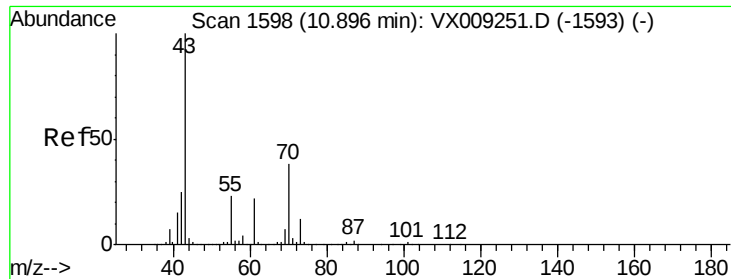
Delta R.T. -0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tgt Ion:	41	Resp:	66686
Ion	Ratio	Lower	Upper
41	100		
69	70.2	37.6	112.8
39	50.2	25.8	77.3





#47

n-amyl Acetate

Concen: 19.472 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 119782

Ion Ratio Lower Upper

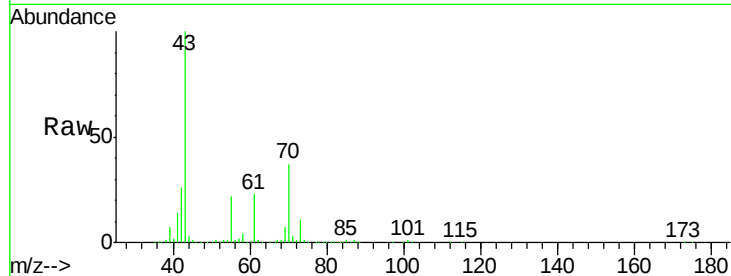
43 100

55 22.9 18.2 27.4

Manual Integrations
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5/6/2019 9:28:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

120000

100000

80000

60000

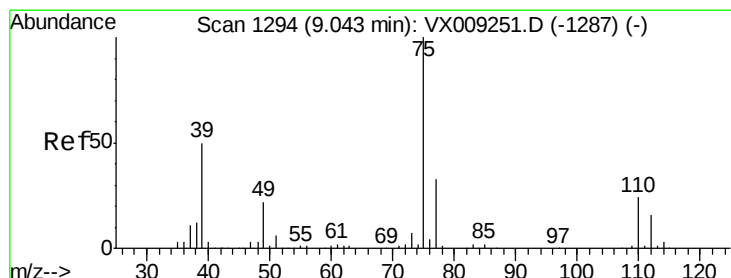
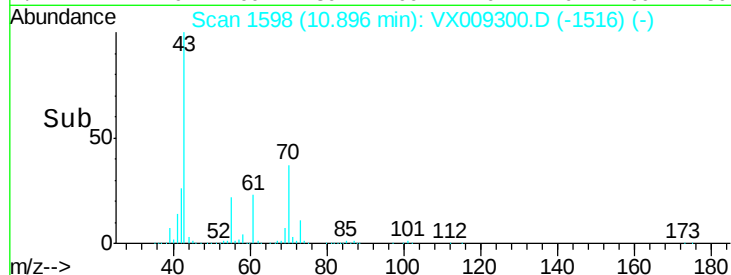
40000

20000

0

10.90

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.055 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009300.D

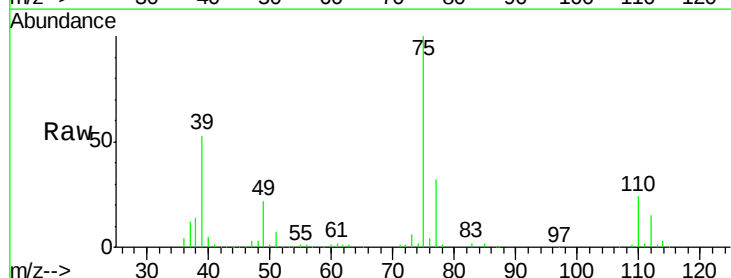
Acq: 03 May 2019 09:47

Tgt Ion: 75 Resp: 67404

Ion Ratio Lower Upper

75 100

77 32.3 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

50000

40000

30000

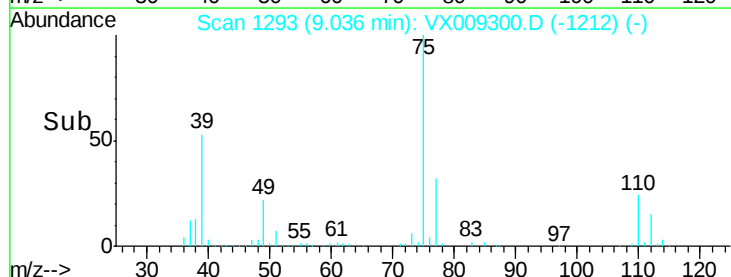
20000

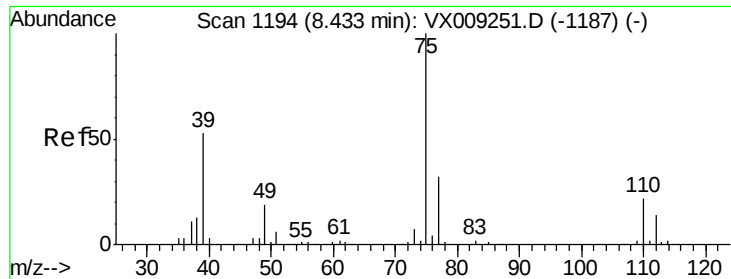
10000

0

9.04

Time-->





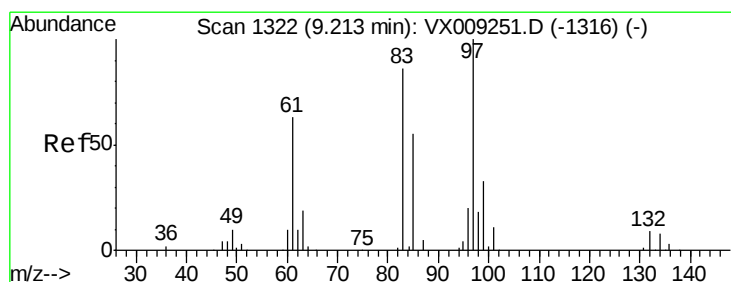
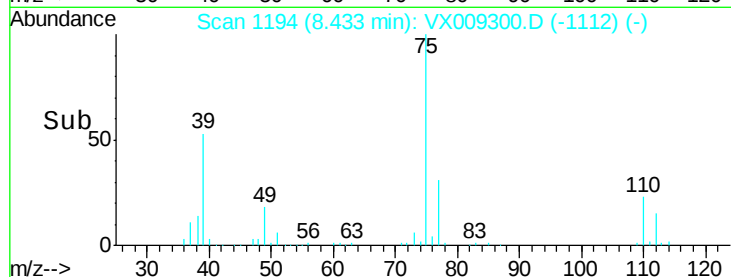
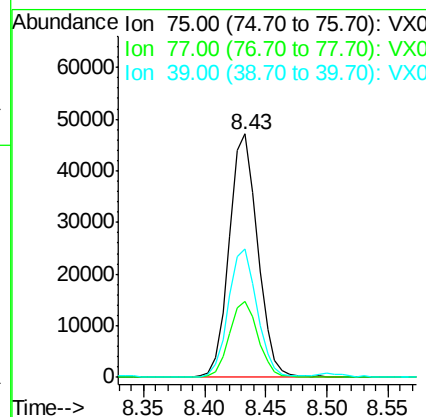
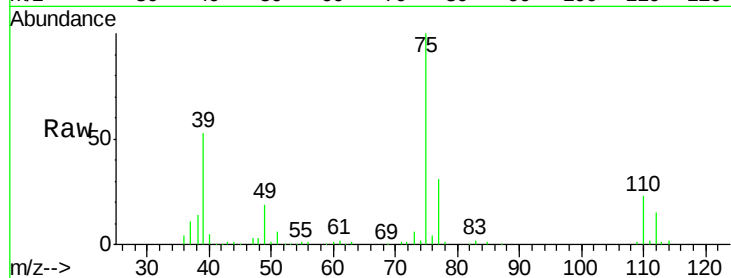
#49
 cis-1,3-Dichloropropene
 Concen: 19.576 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.0	39.0
39	52.8	42.6	63.8

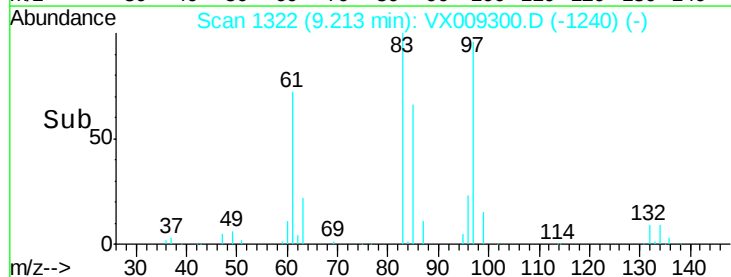
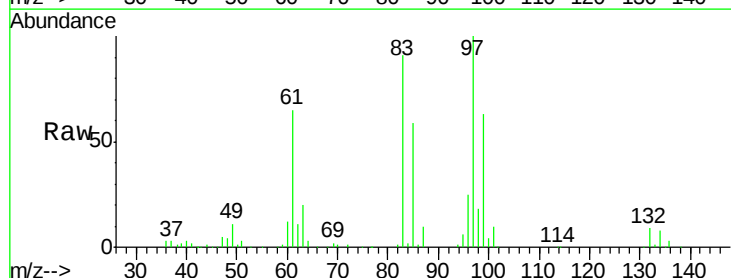
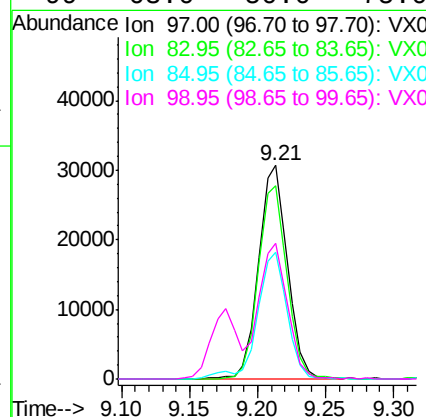
Manual Integrations
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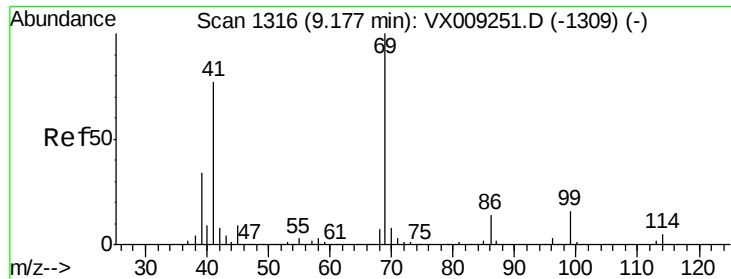
MMDadoda
 5/6/2019 9:28:13 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.191 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.8	103.2
85	58.9	45.8	68.6
99	63.0	50.0	75.0





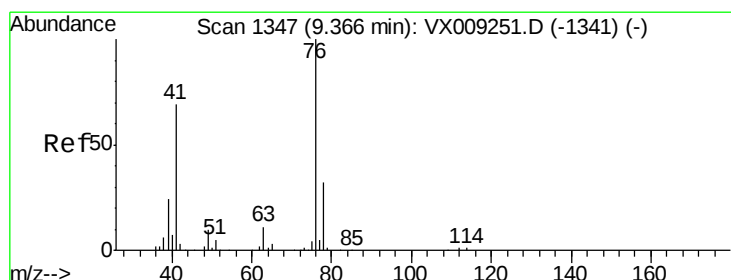
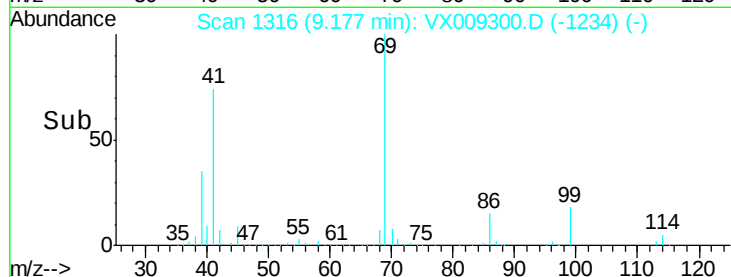
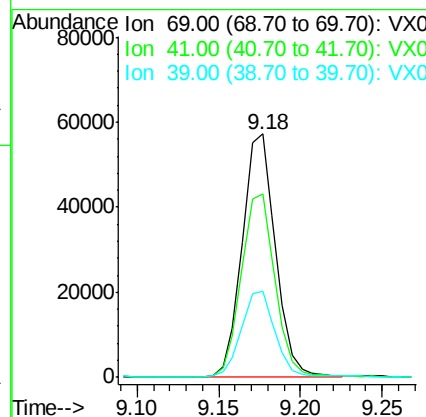
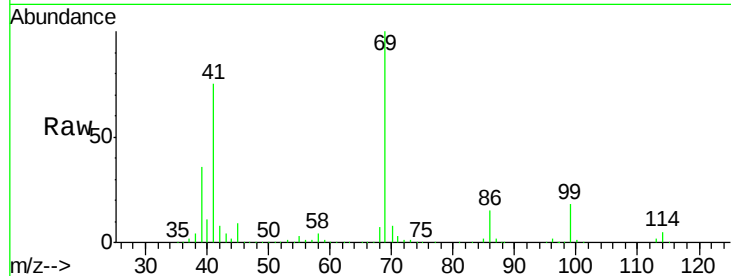
#51
Ethyl methacrylate
Concen: 19.452 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
69	100		
41	75.0	38.4	115.2
39	35.2	17.2	51.5

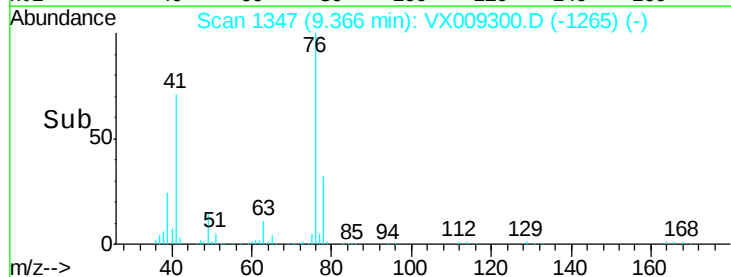
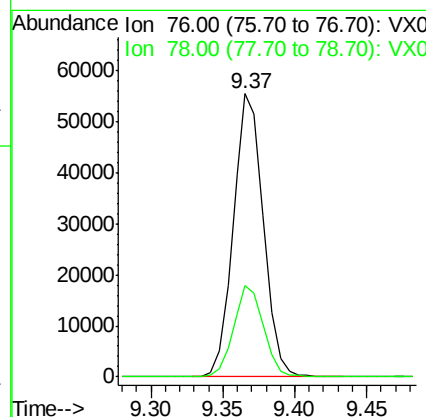
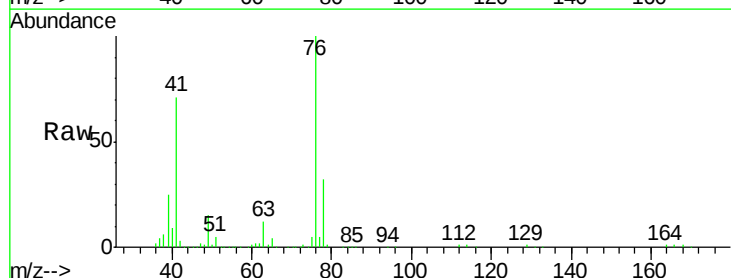
Manual Integrations
APPROVED

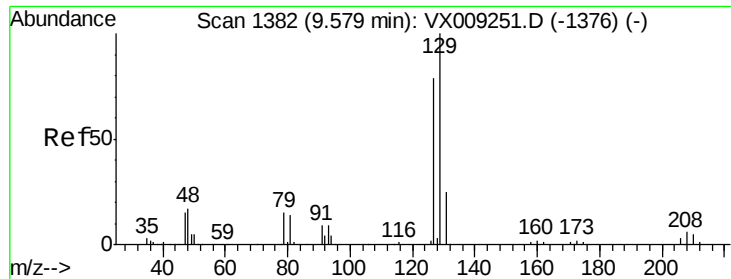
MMDadoda
5/6/2019 9:28:13 AM



#52
1,3-Dichloropropane
Concen: 20.051 ug/l
RT: 9.37 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.2





#53

Dibromochloromethane

Concen: 19.763 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 44757

Ion Ratio Lower Upper

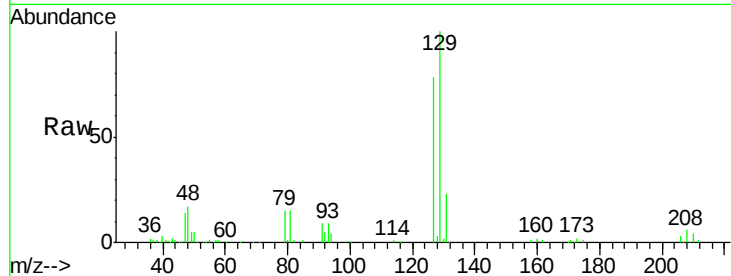
129 100

127 78.6 39.1 117.5

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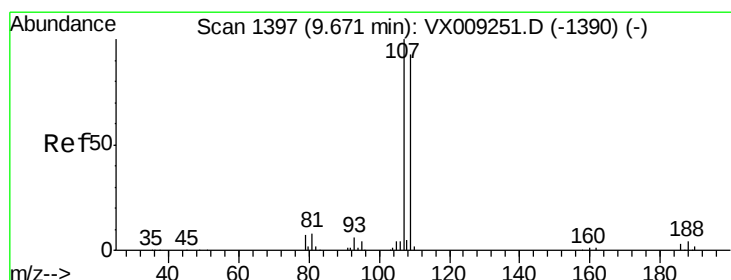
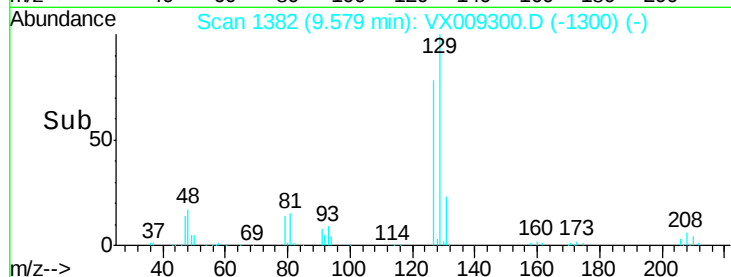
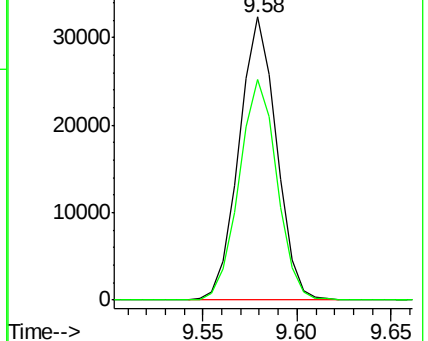
MMDadoda

5/6/2019 9:28:13 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.656 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009300.D

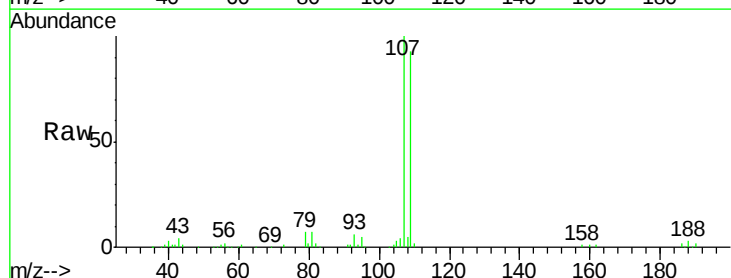
Acq: 03 May 2019 09:47

Tgt Ion:107 Resp: 45841

Ion Ratio Lower Upper

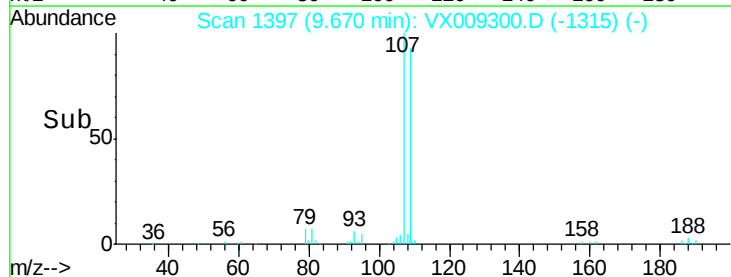
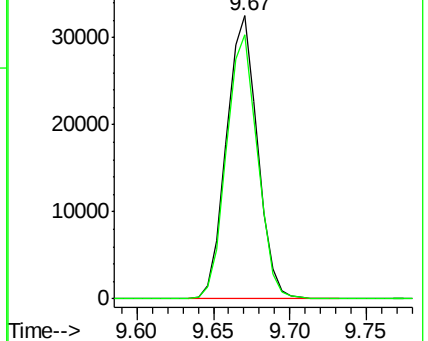
107 100

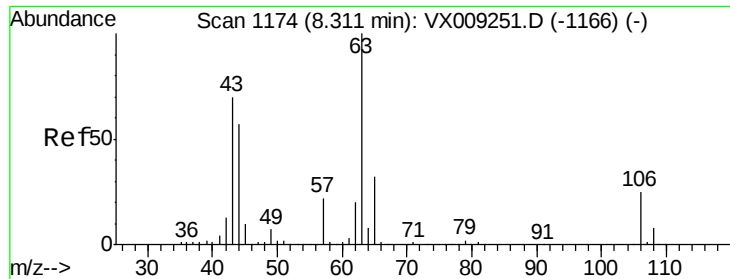
109 93.3 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





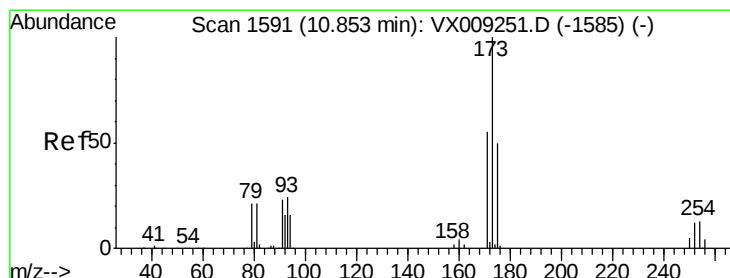
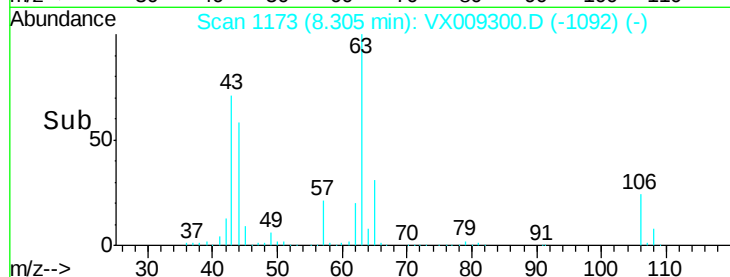
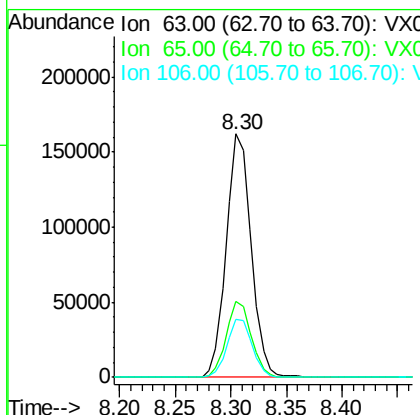
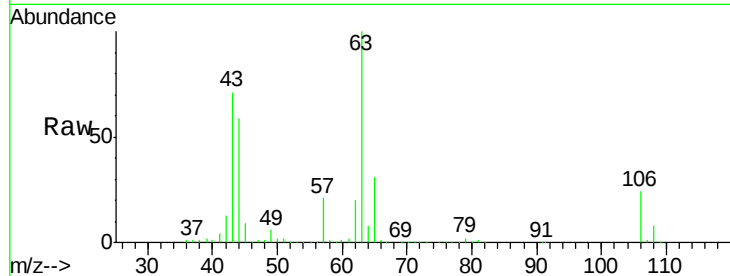
#55
2-Chloroethyl vinyl ether
Concen: 112.506 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.8	38.6
106	24.3	19.8	29.6

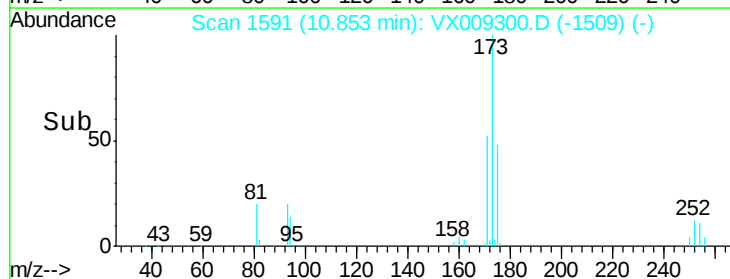
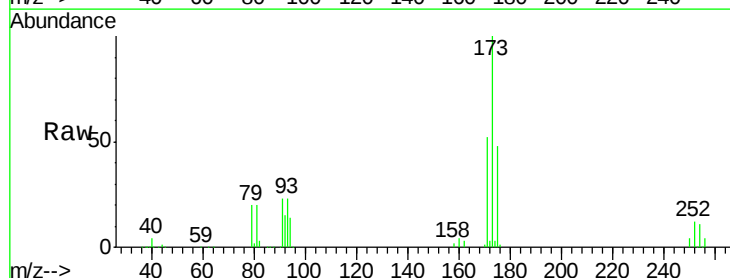
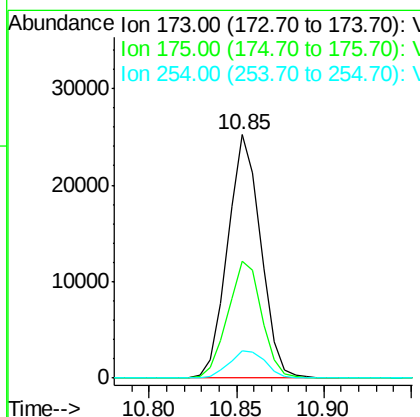
Manual Integrations
APPROVED

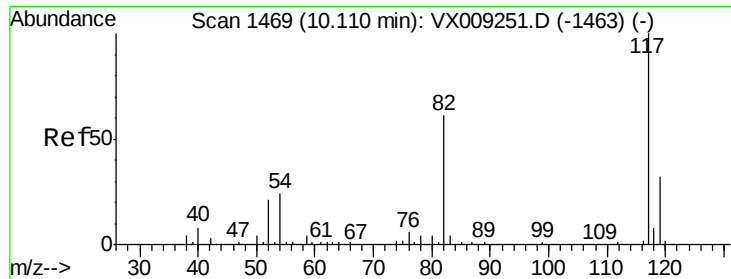
MMDadoda
5/6/2019 9:28:13 AM



#56
Bromoform
Concen: 19.114 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.4	59.2
254	12.3	9.9	14.9





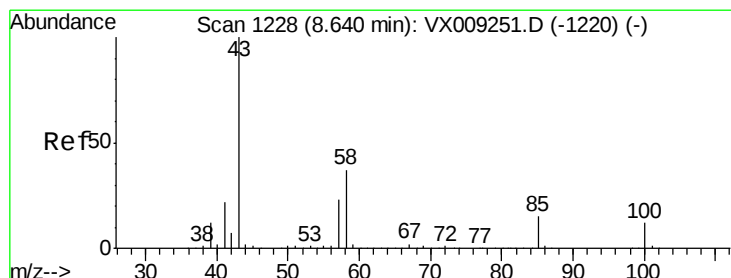
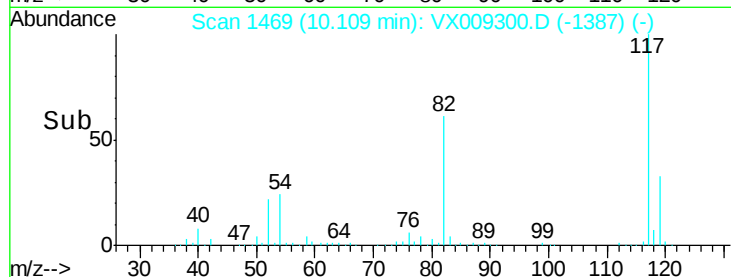
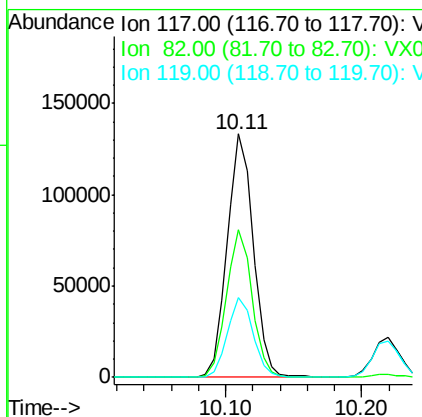
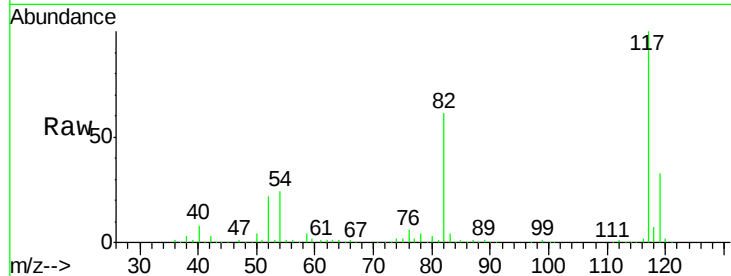
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.8
119	32.3	25.6	38.4

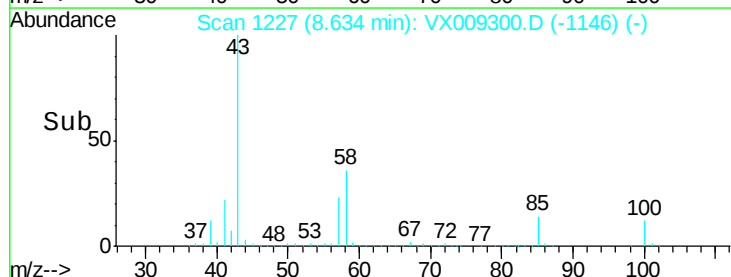
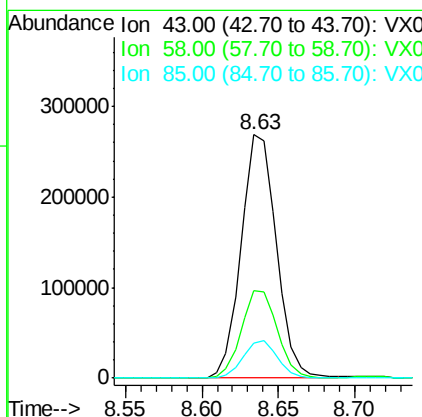
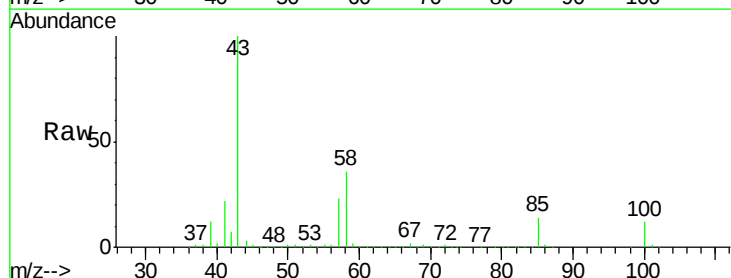
Manual Integrations
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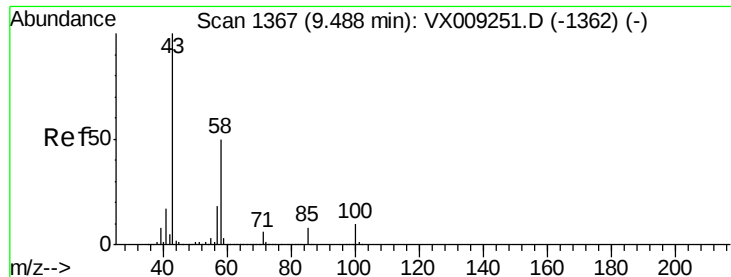
MMDadoda
5/6/2019 9:28:13 AM



#58
4-Methyl-2-Pentanone
Concen: 97.842 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0
85	14.9	11.8	17.8





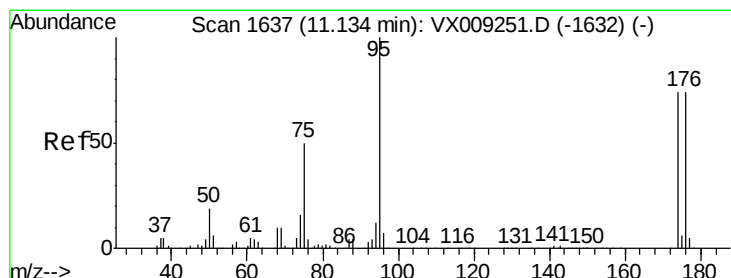
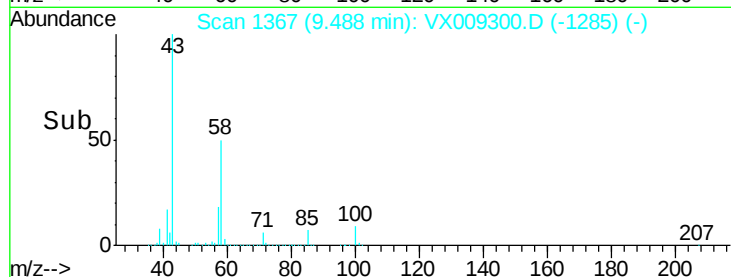
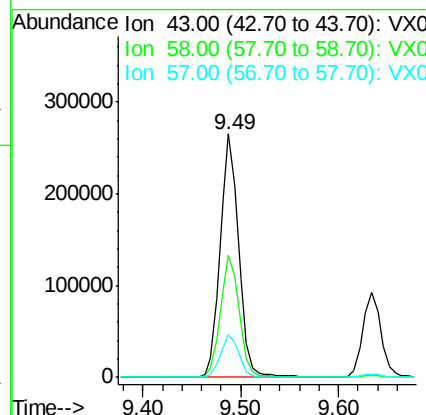
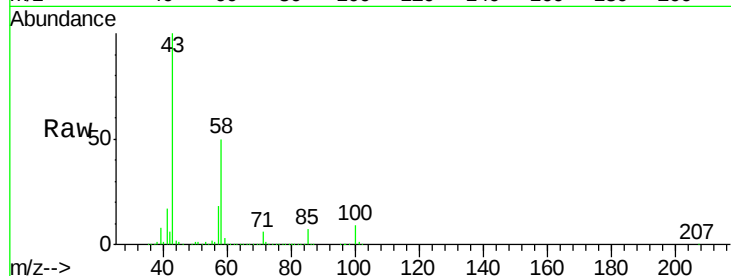
#59
2-Hexanone
Concen: 100.929 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	40.8	61.2
57	17.6	14.1	21.1

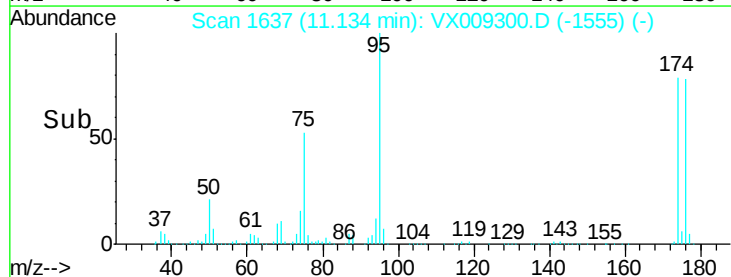
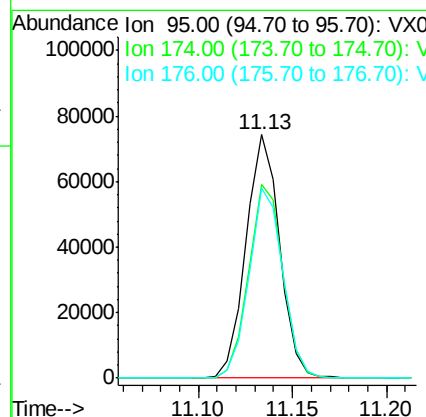
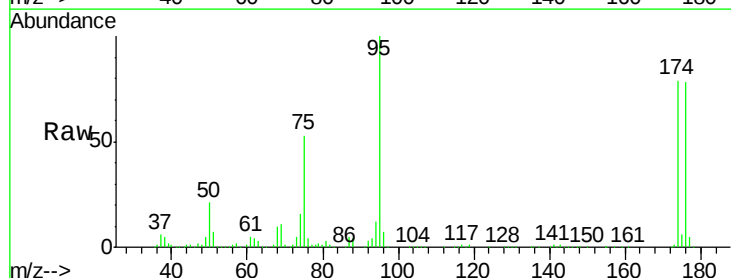
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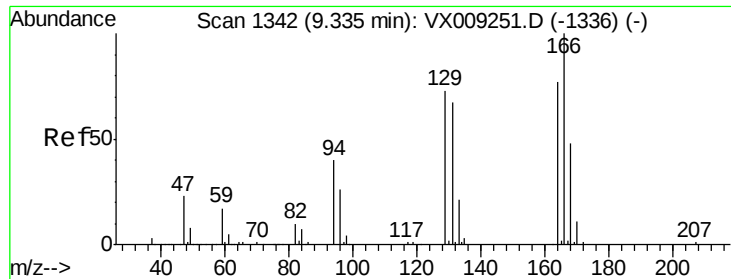
MMDadoda
5/6/2019 9:28:13 AM



#60
4-Bromofluorobenzene
Concen: 30.312 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	63.6	95.4
176	78.5	62.4	93.6





#61

Tetrachloroethene

Concen: 21.483 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 42441

Ion Ratio Lower Upper

164 100

166 127.6 104.1 156.1

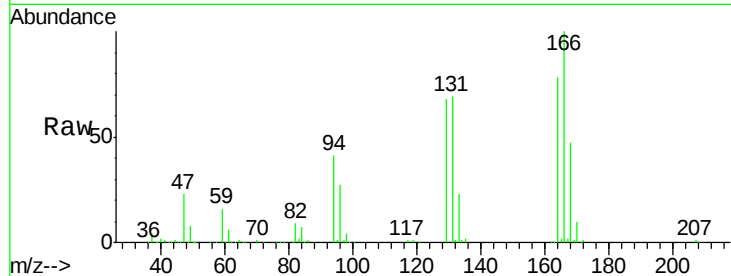
129 87.1 76.0 114.0

131 87.8 70.1 105.1

Manual Integrations
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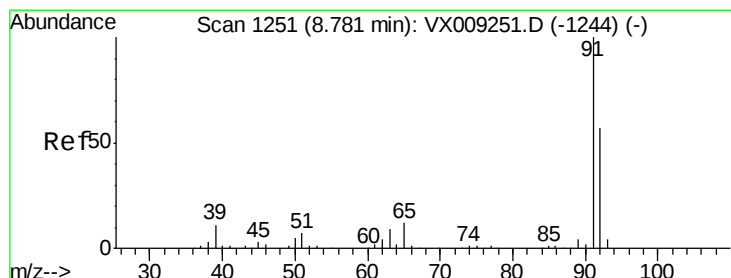
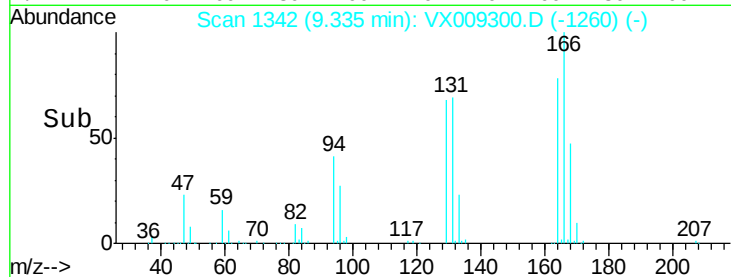
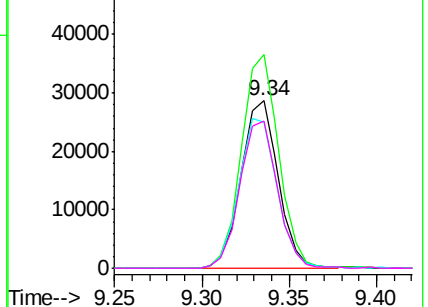


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.497 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009300.D

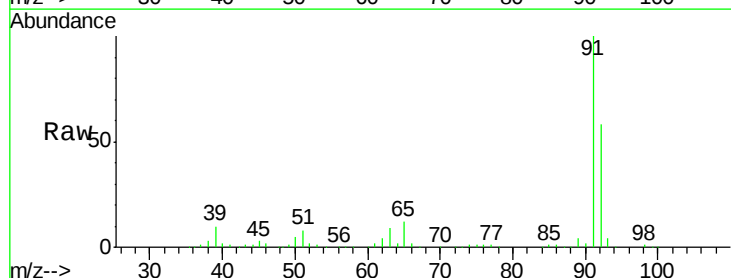
Acq: 03 May 2019 09:47

Tgt Ion: 91 Resp: 196280

Ion Ratio Lower Upper

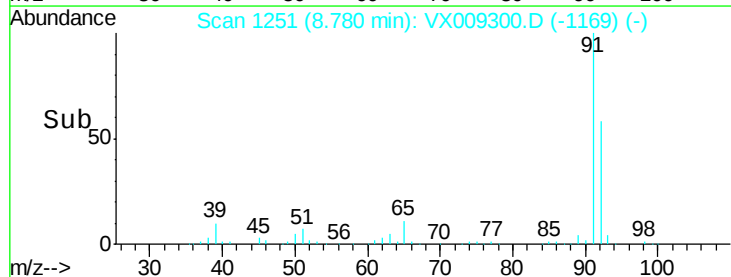
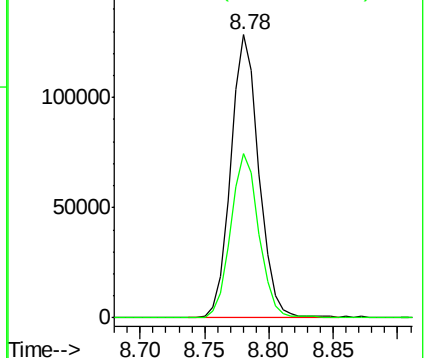
91 100

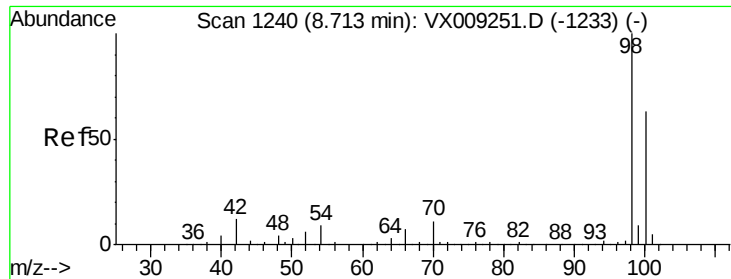
92 58.3 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.118 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tot Ion: 98 Resp: 255893

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5

Instrument :

MSVOA_X

ClientSampleId :

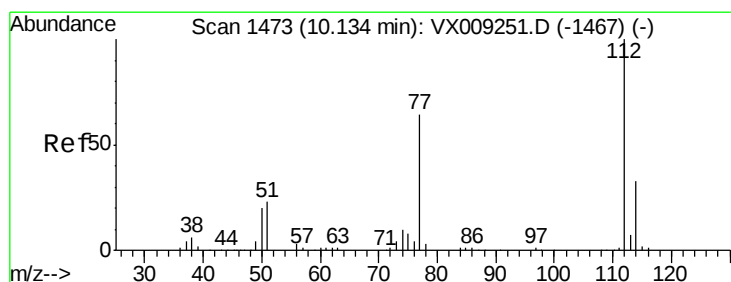
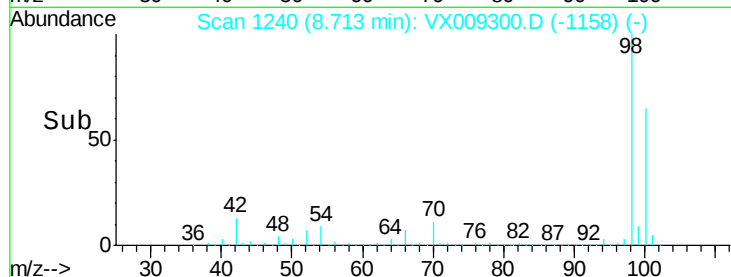
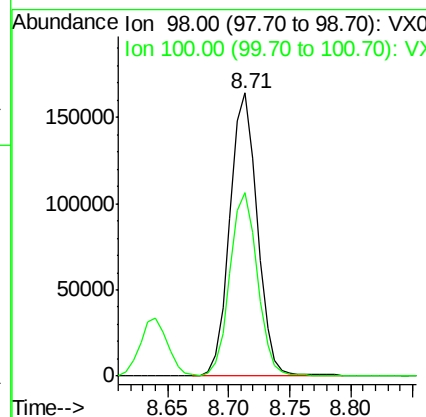
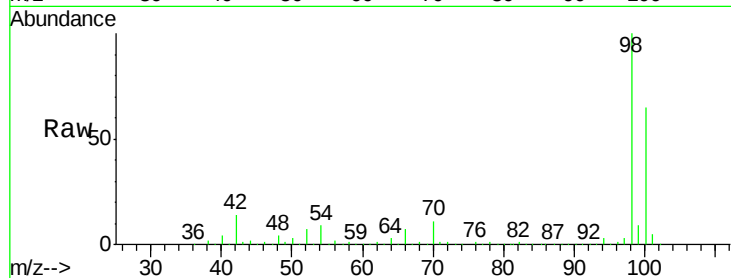
VSTDCCC020

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#64

Chlorobenzene

Concen: 20.261 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009300.D

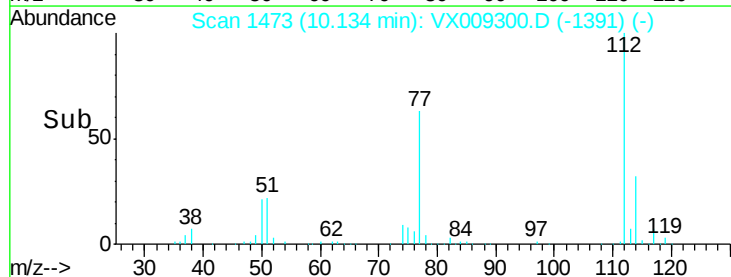
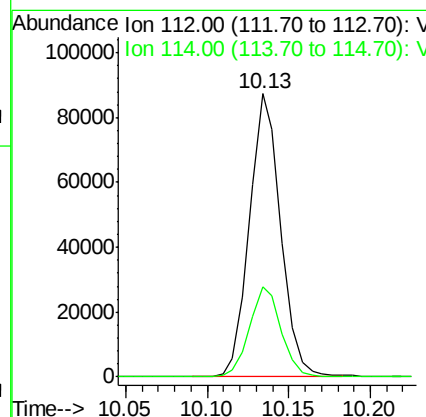
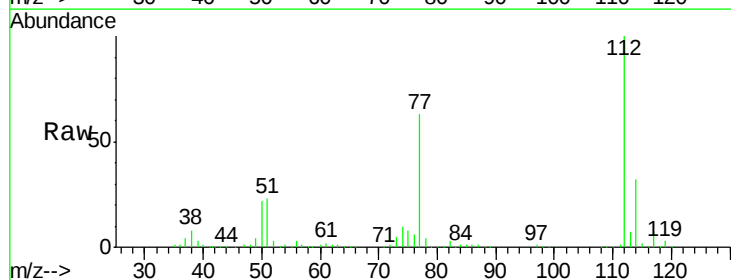
Acq: 03 May 2019 09:47

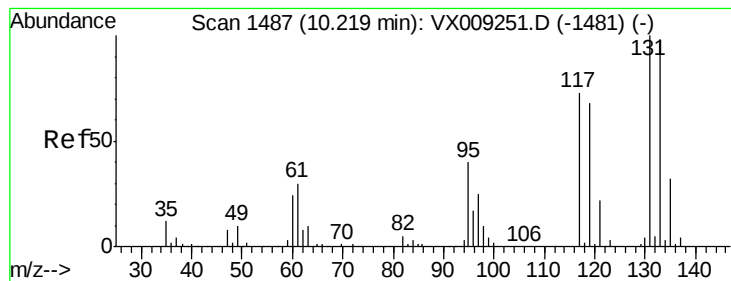
Tgt Ion: 112 Resp: 116766

Ion Ratio Lower Upper

112 100

114 31.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.208 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

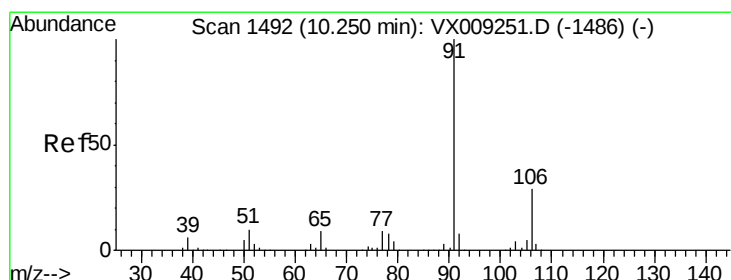
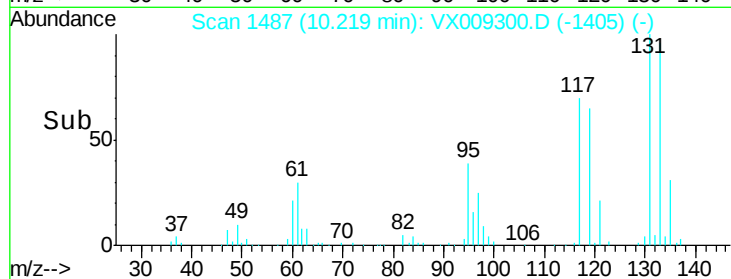
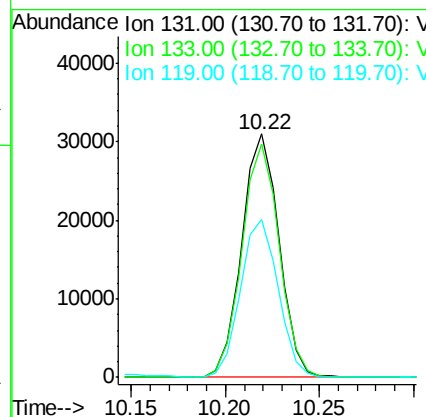
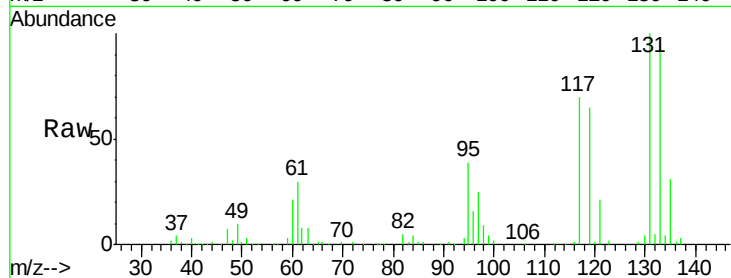
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	42642
Ion	Ratio	Lower	Upper
131	100		
133	95.9	0.0	191.2
119	65.5	0.0	135.4

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#66

Ethyl Benzene

Concen: 20.343 ug/l

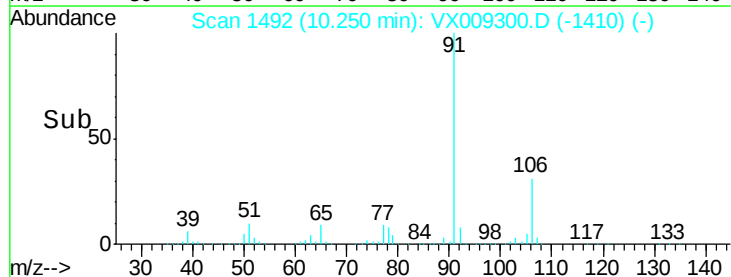
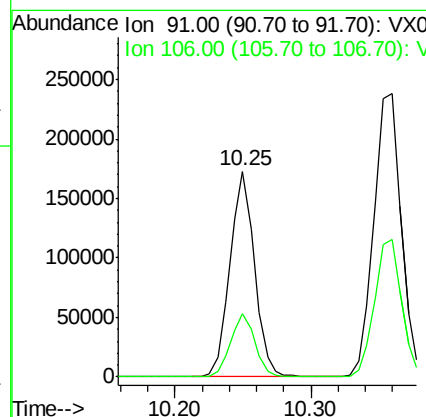
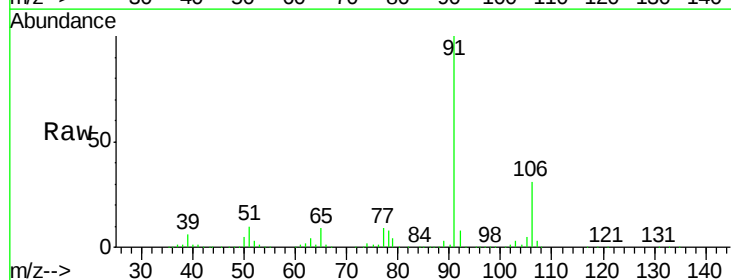
RT: 10.25 min Scan# 1492

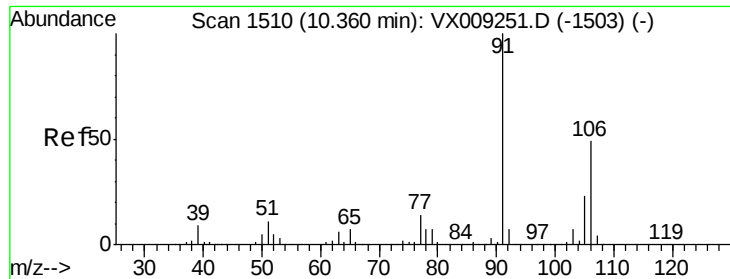
Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tgt Ion:	91	Resp:	217014
Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.5	35.3





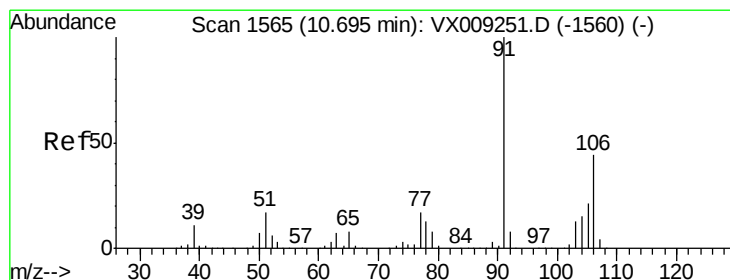
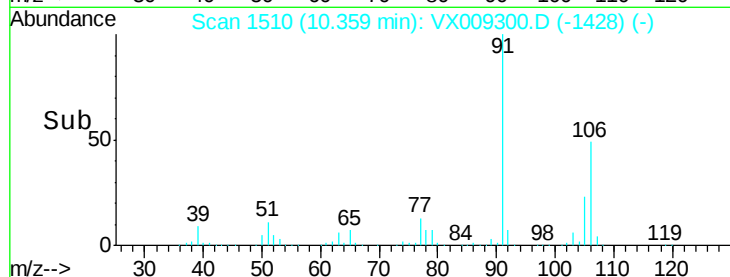
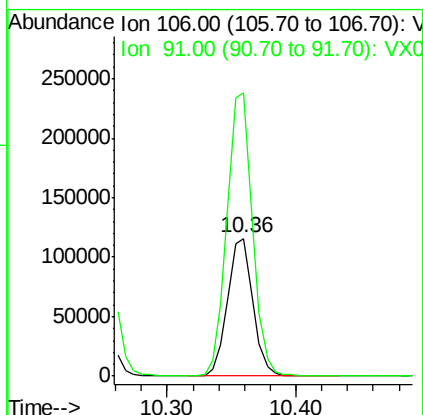
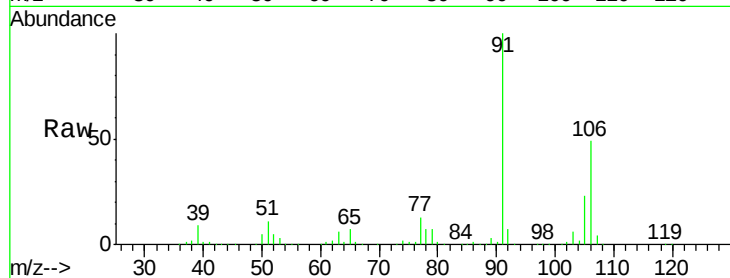
#67
m/p-Xvlenes
Concen: 41.321 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion:106 Resp: 160943
Ion Ratio Lower Upper
106 100
91 208.1 166.8 250.2

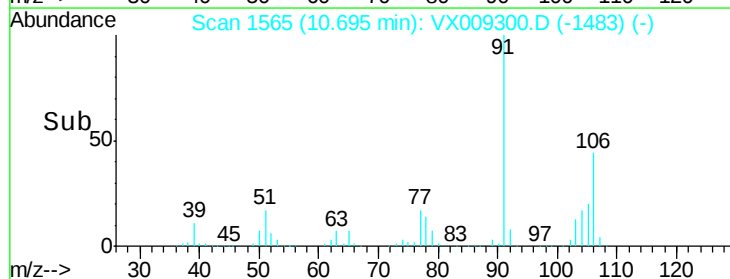
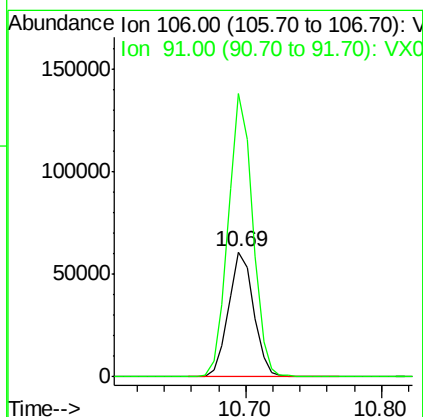
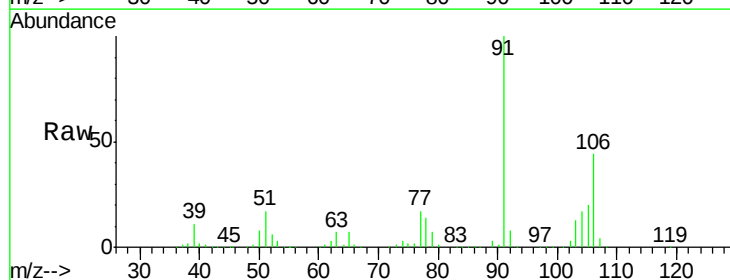
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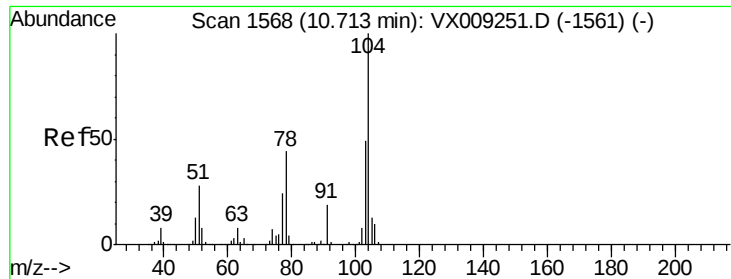
MMDadoda
5/6/2019 9:28:13 AM



#68
o-Xylene
Concen: 20.528 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion:106 Resp: 78621
Ion Ratio Lower Upper
106 100
91 219.8 110.8 332.3





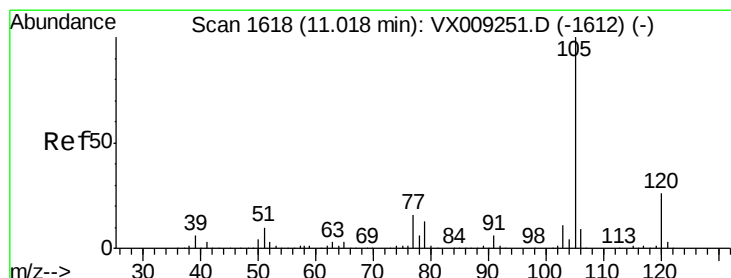
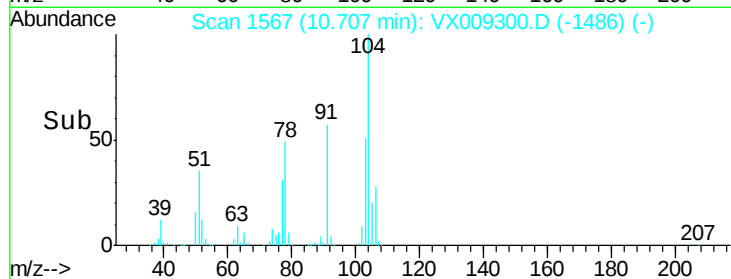
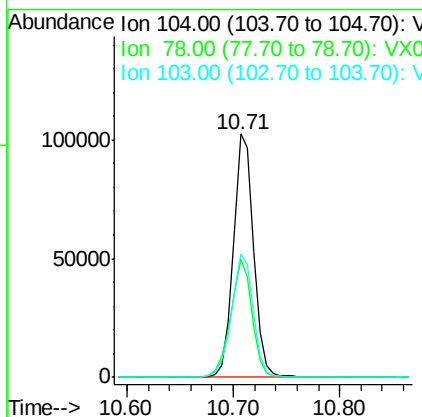
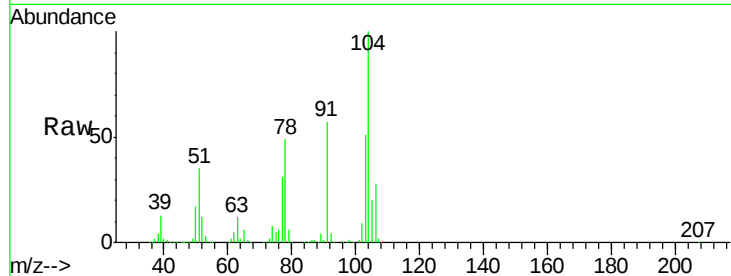
#69
Stvrene
Concen: 20.285 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	136376		
78	51.9		41.1	61.7
103	54.5		43.8	65.8

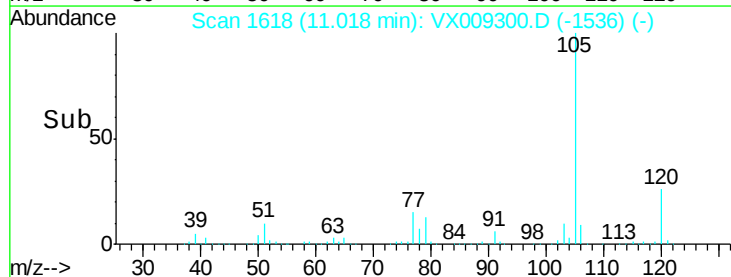
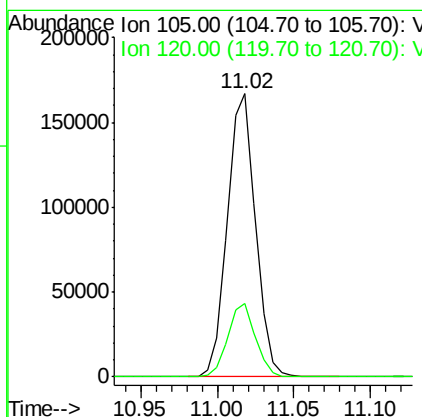
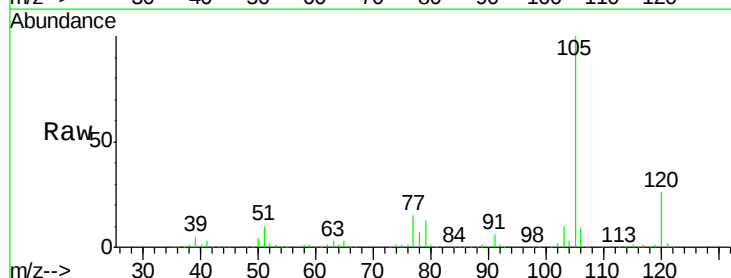
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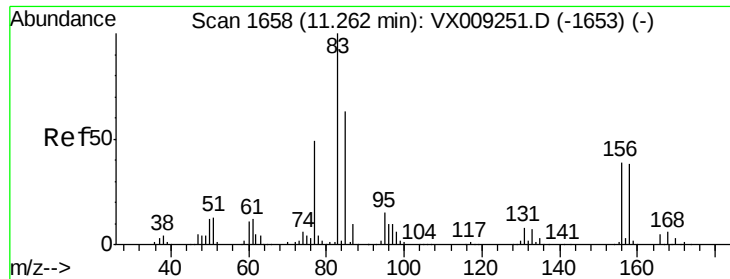
MMDadoda
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#70
Isopropylbenzene
Concen: 20.605 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212228		
120	25.5		18.1	33.7





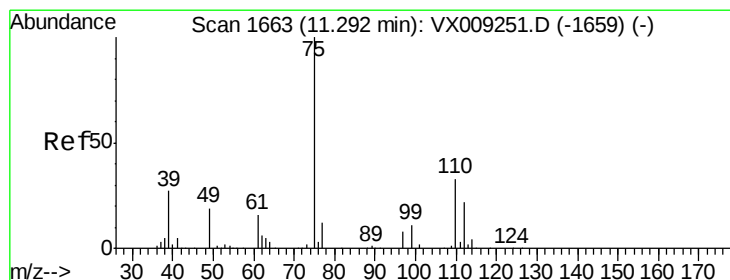
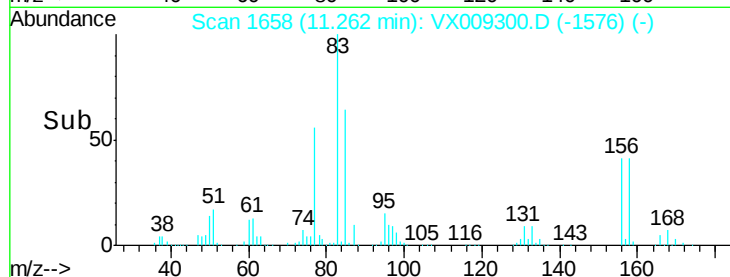
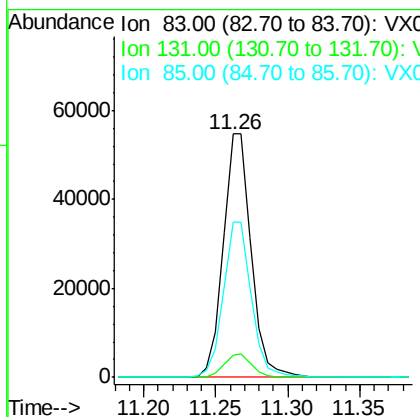
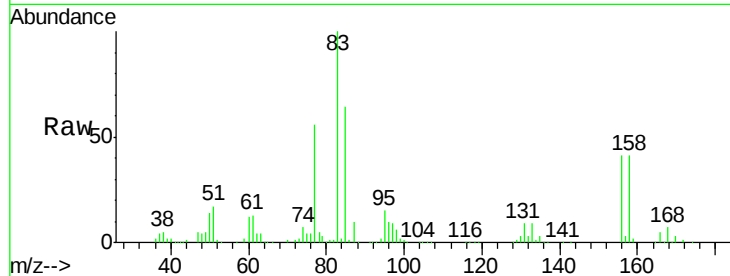
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.805 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	74705		
131	9.6	4.7	14.0	
85	64.4	32.4	97.2	

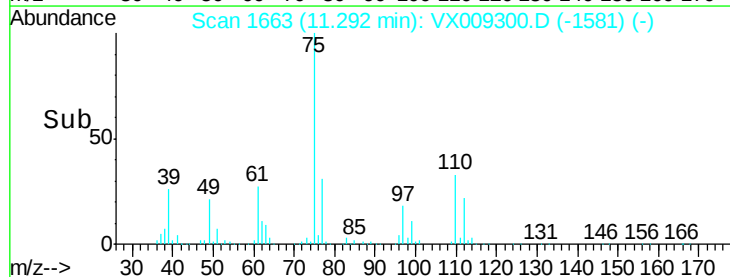
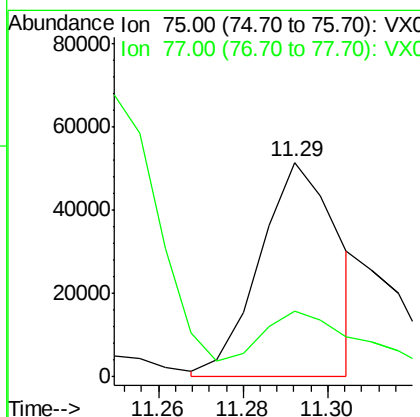
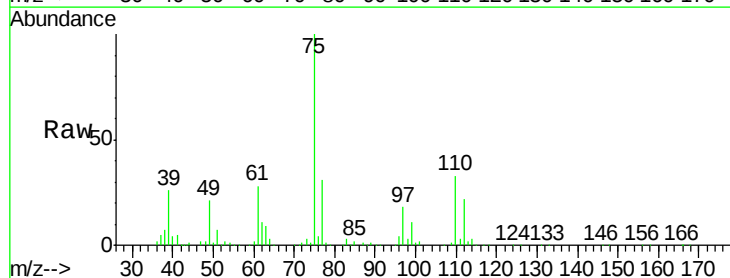
Manual Integrations
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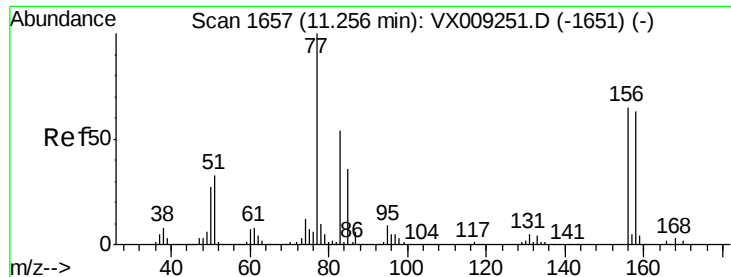
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 20.354 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66163		
77	41.7	0.0	86.4	





#73

Bromobenzene

Concen: 20.087 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

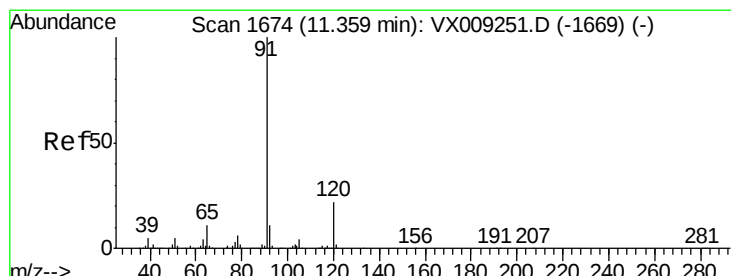
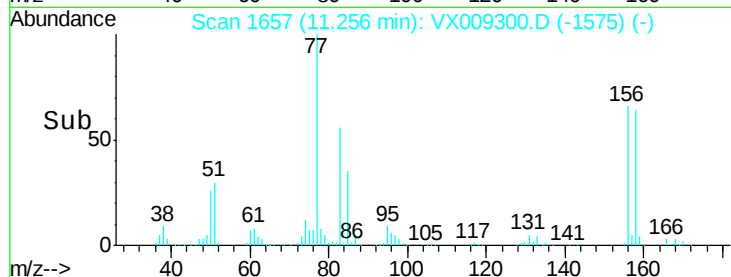
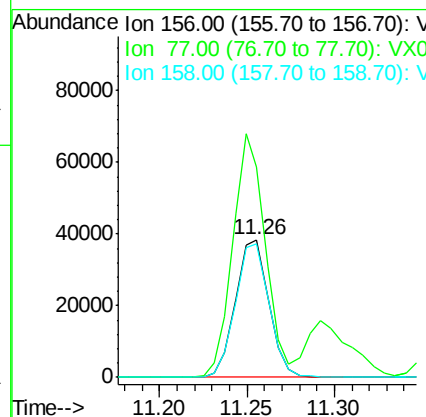
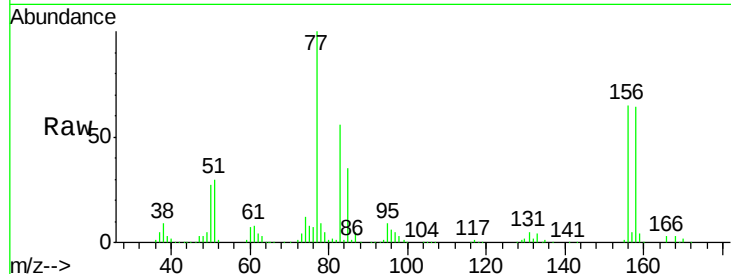
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.8	0.0	335.6
158	97.9	0.0	191.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.621 ug/l

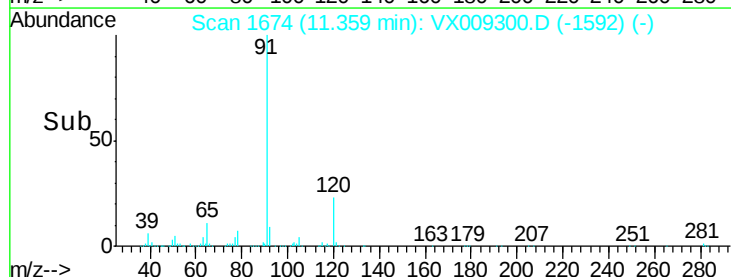
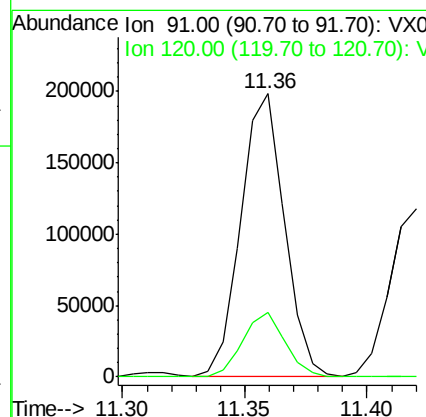
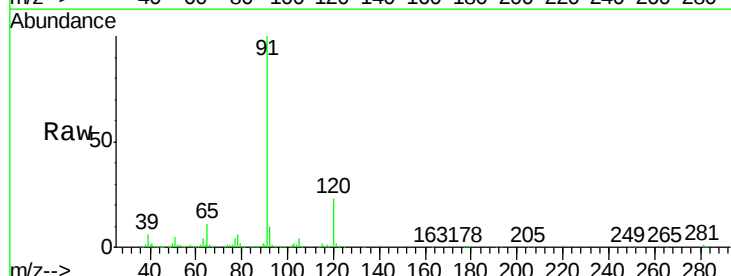
RT: 11.36 min Scan# 1674

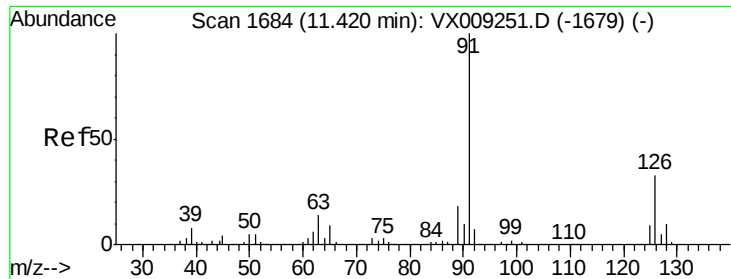
Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	43.4





#75

2-Chlorotoluene

Concen: 20.730 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 148409

Ion Ratio Lower Upper

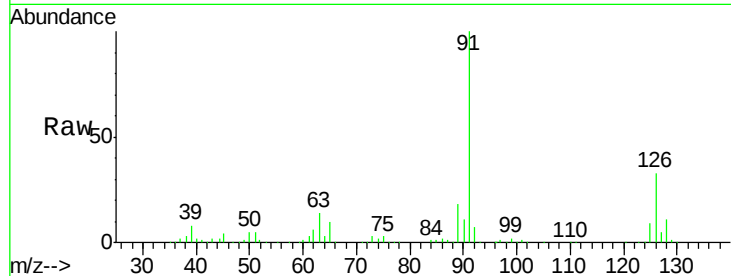
91 100

126 32.3 0.0 64.0

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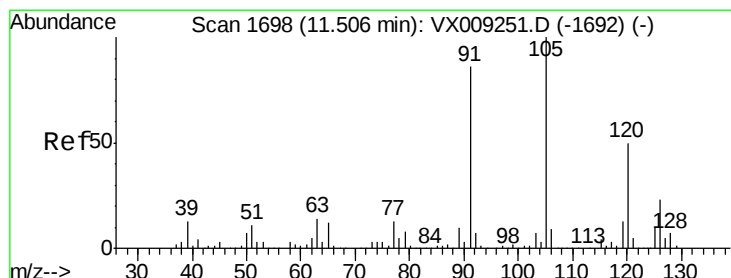
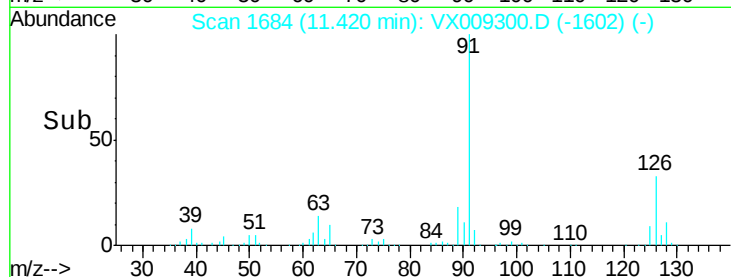
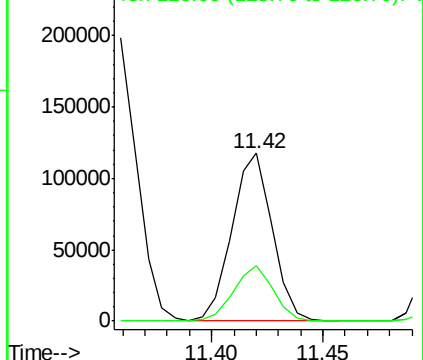
MMDadoda

5/6/2019 9:28:13 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.793 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009300.D

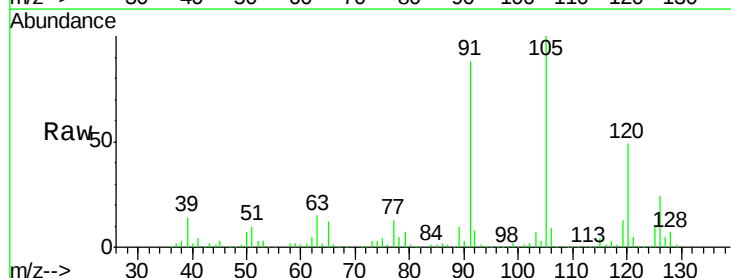
Acq: 03 May 2019 09:47

Tgt Ion:105 Resp: 181413

Ion Ratio Lower Upper

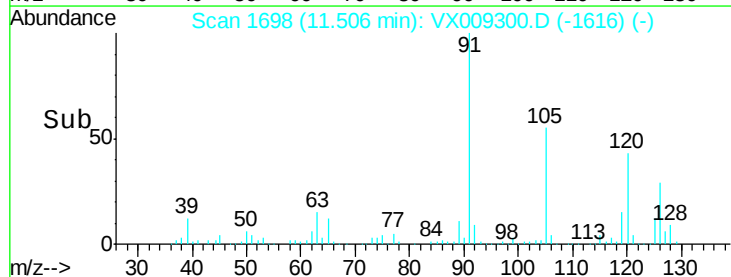
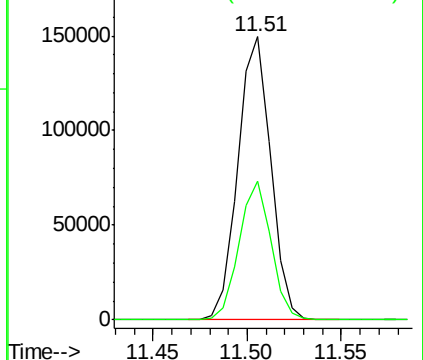
105 100

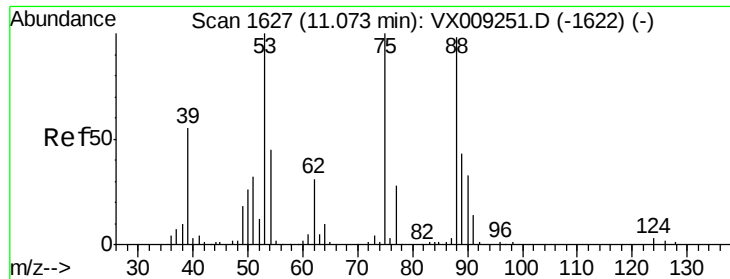
120 47.6 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





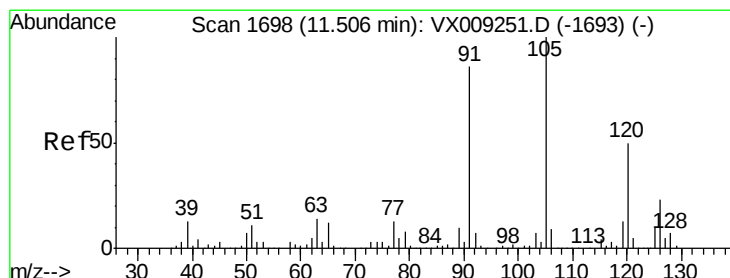
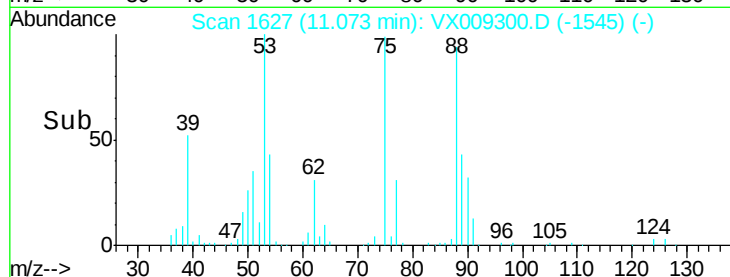
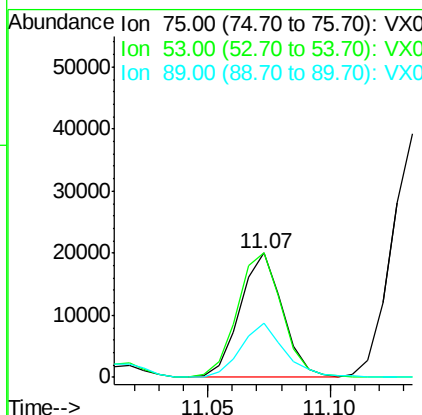
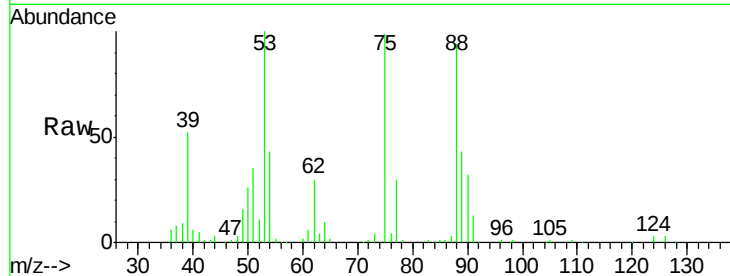
#77
t-1,4-Dichloro-2-butene
Concen: 18.369 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.8	50.0	149.8
89	43.4	21.6	65.0

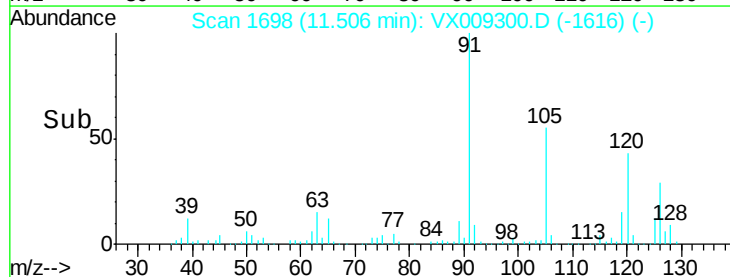
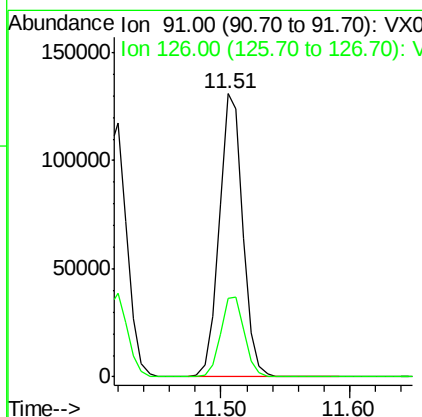
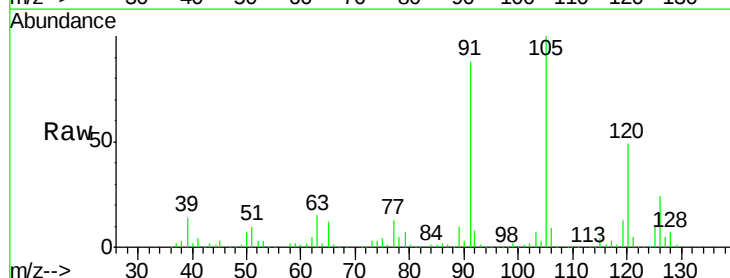
Manual Integrations
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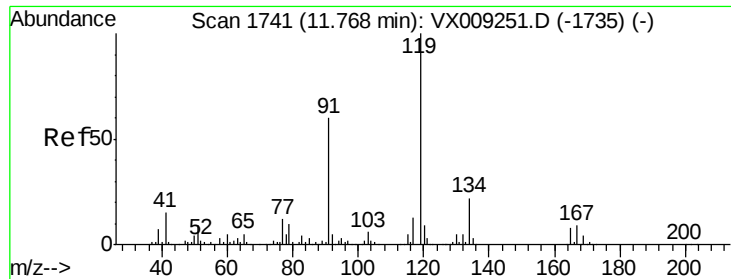
MMDadoda
5/6/2019 9:28:13 AM



#78
4-Chlorotoluene
Concen: 20.680 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	0.0	57.0





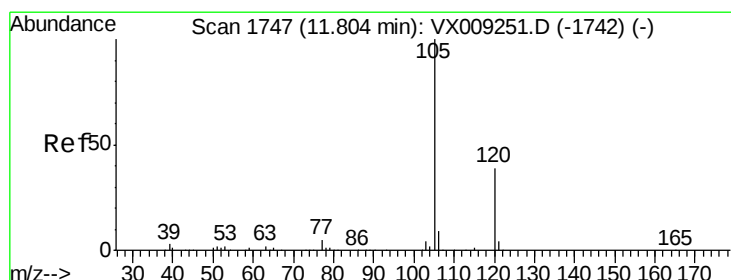
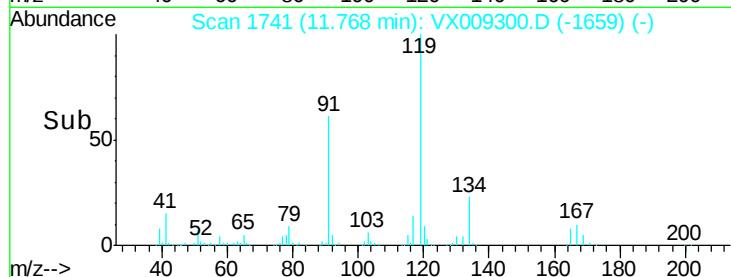
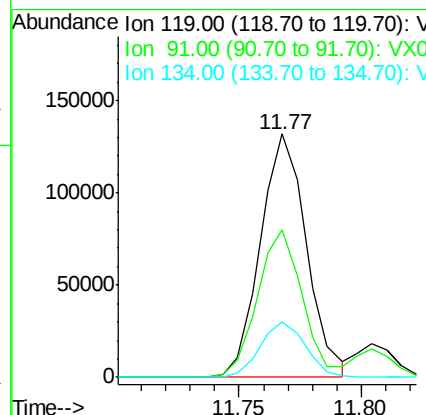
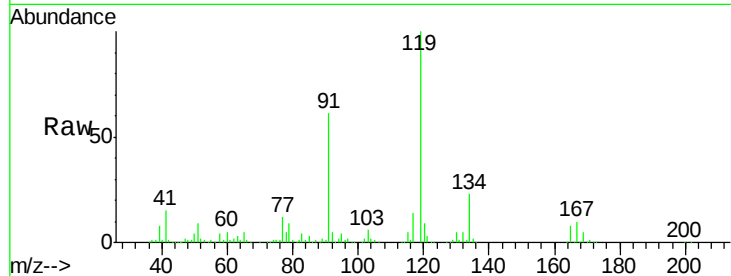
#79
tert-butylbenzene
Concen: 20.450 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	172482		
91	59.1	0.0	118.2	
134	22.4	0.0	45.0	

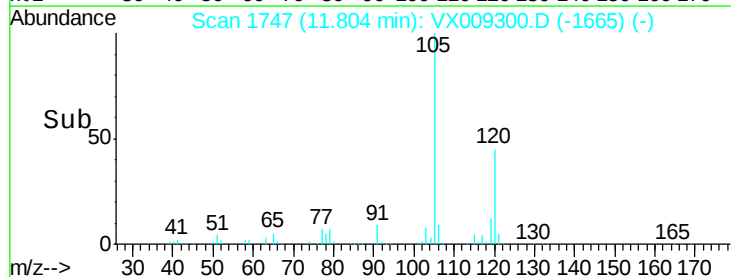
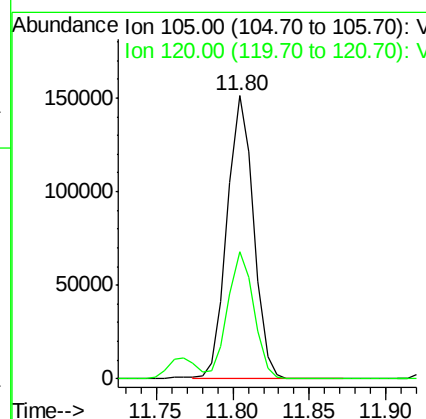
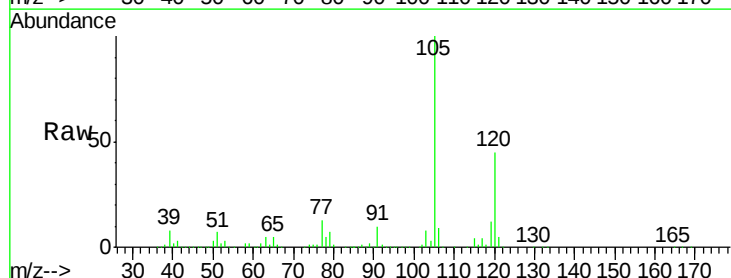
Manual Integrations
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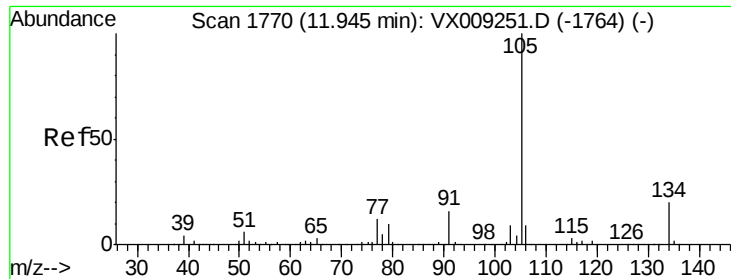
MMDadoda
5/6/2019 9:28:13 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.774 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	181658		
120	44.9	0.0	89.6	





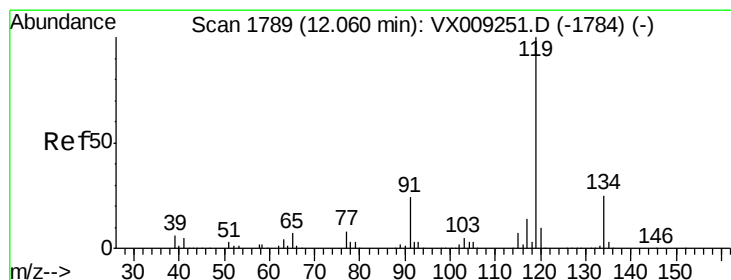
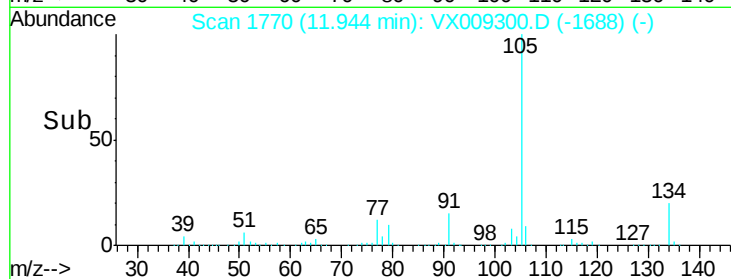
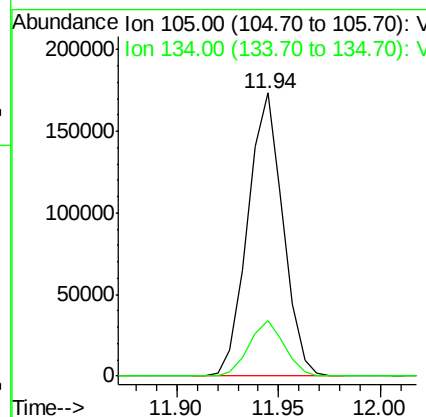
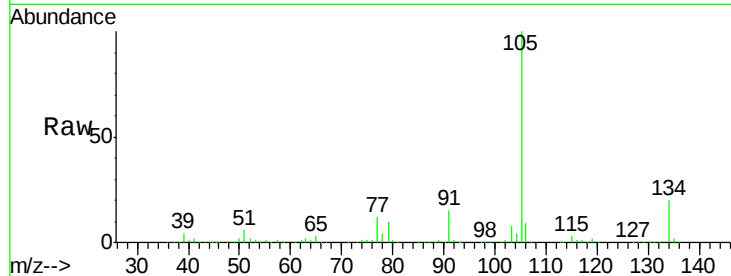
#81
 sec-Butylbenzene
 Concen: 20.733 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	207757		
134	19.6	0.0	38.6	

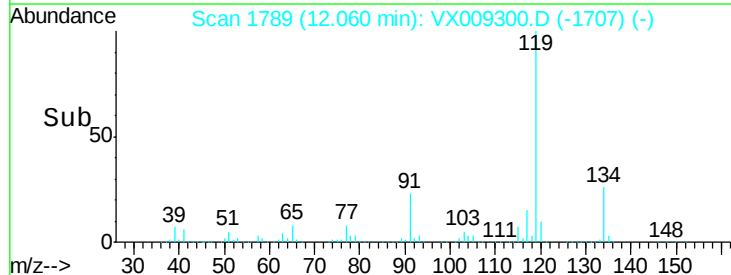
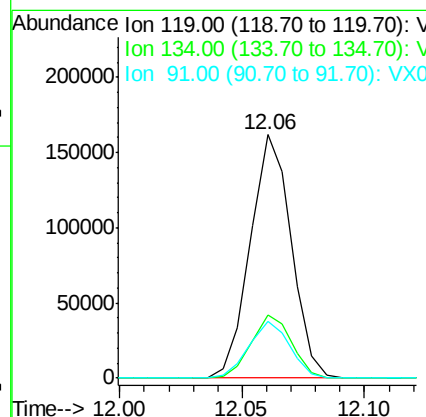
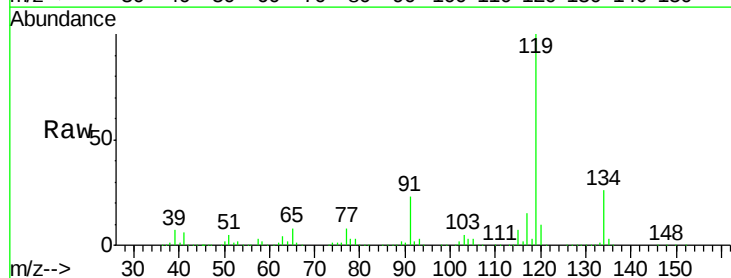
Manual Integrations
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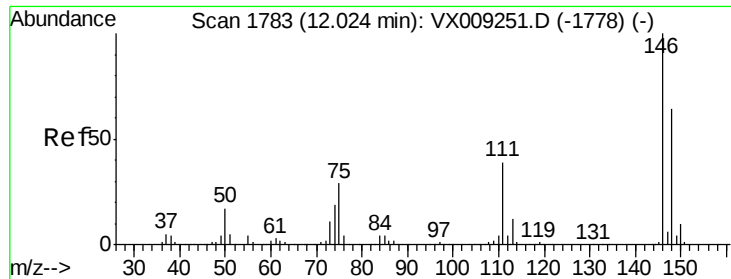
MMDadoda
 5/6/2019 9:28:13 AM



#82
 p-Isopropyltoluene
 Concen: 20.745 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	189100		
134	25.9	0.0	50.8	
91	23.3	0.0	47.2	





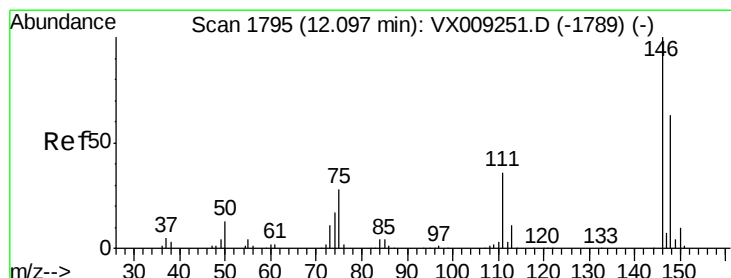
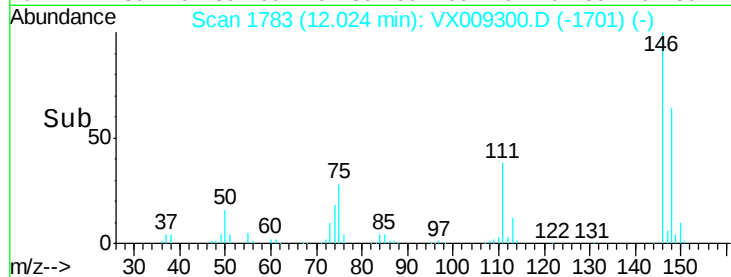
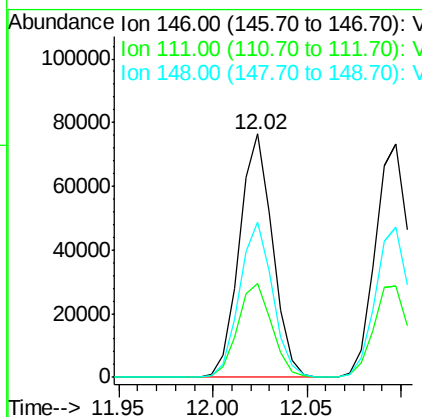
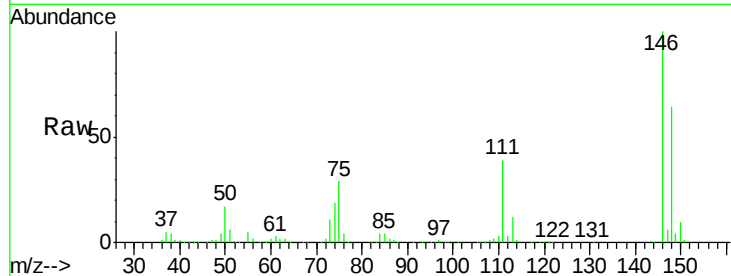
#83
 1,3-Dichlorobenzene
 Concen: 20.547 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.8	32.2	96.6

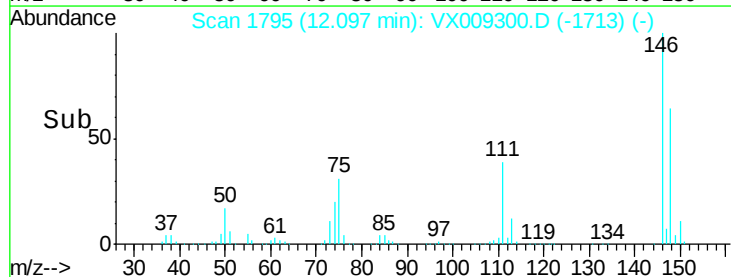
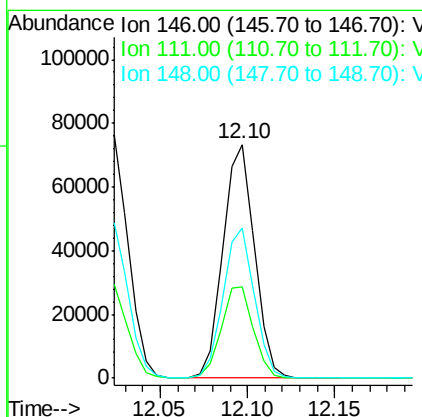
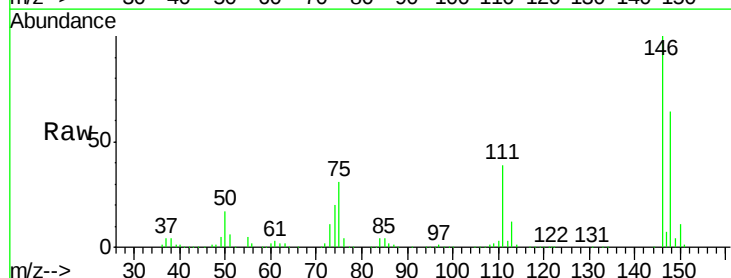
Manual Integrations
 APPROVED

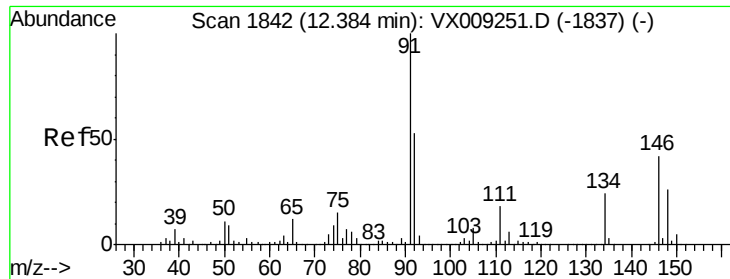
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 20.316 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.2	32.3	96.8





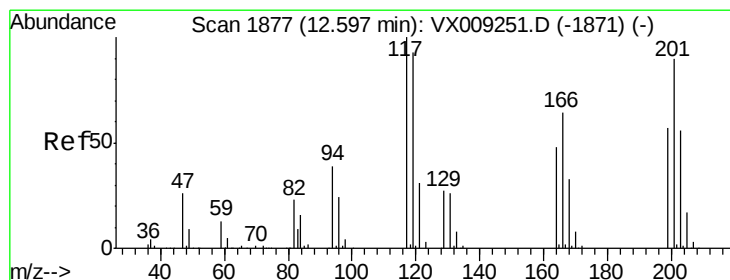
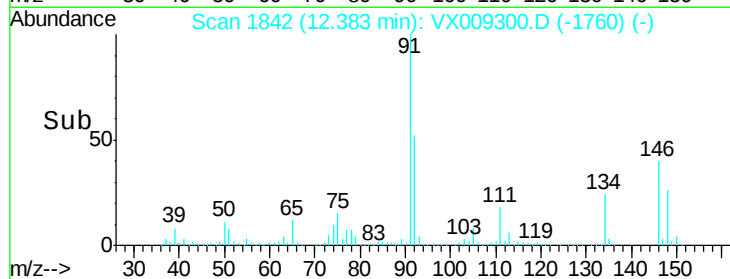
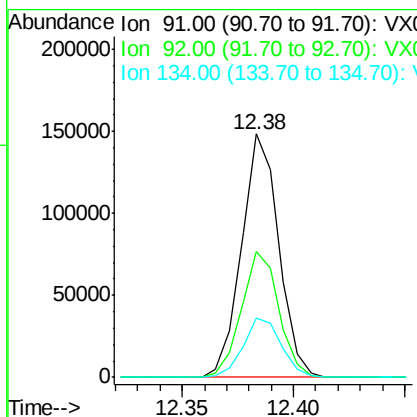
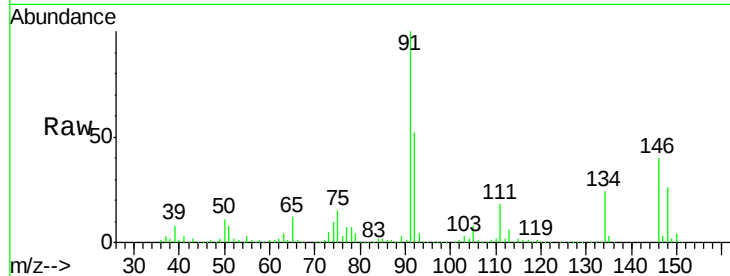
#85
n-Butylbenzene
Concen: 20.712 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	172760		
92	52.2	0.0	106.6	
134	24.9	0.0	50.0	

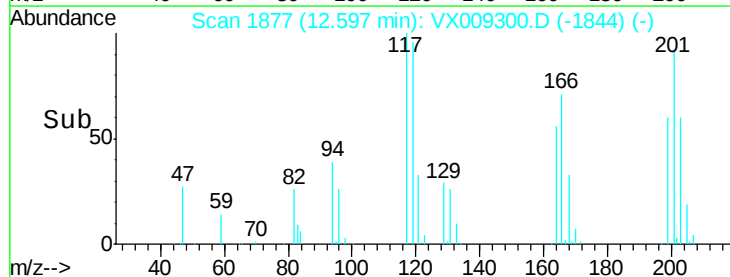
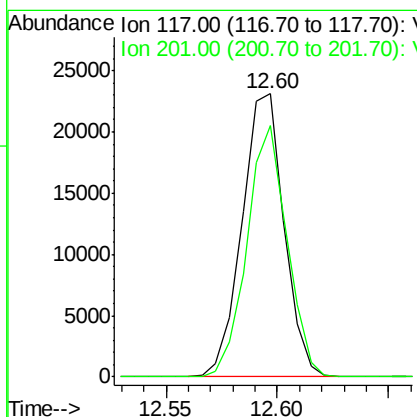
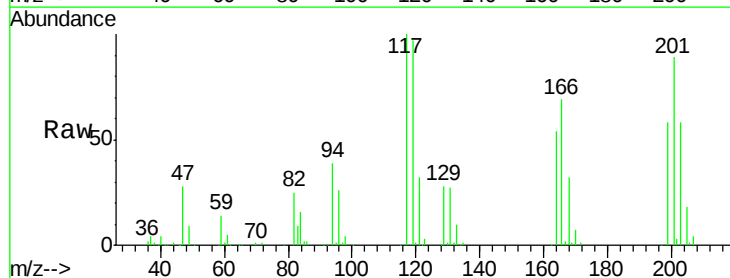
Manual Integrations
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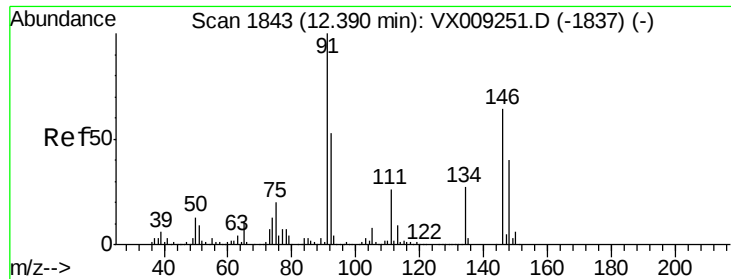
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#86
Hexachloroethane
Concen: 19.682 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009300.D
Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30529		
201	84.4	41.8	125.4	





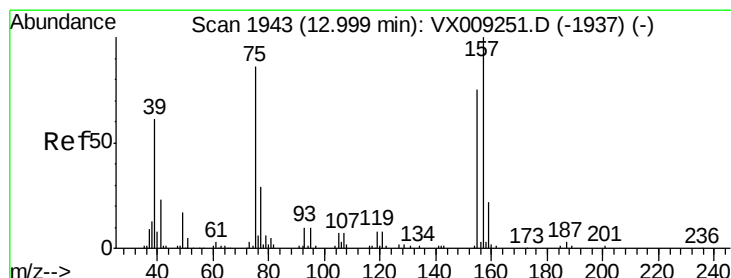
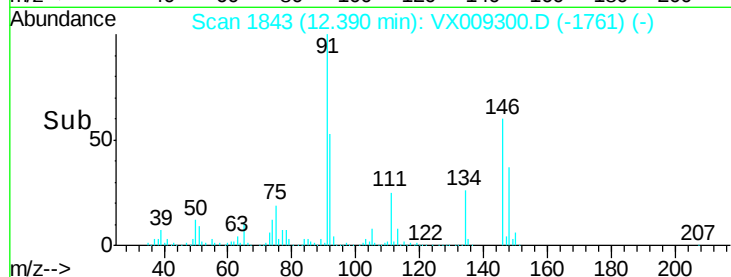
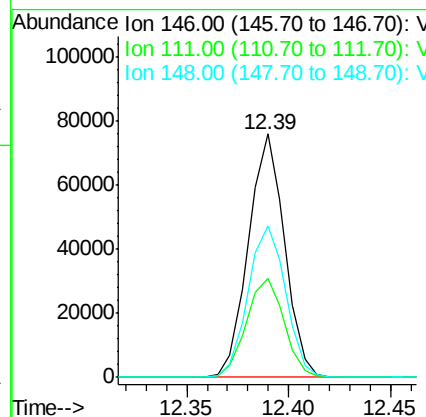
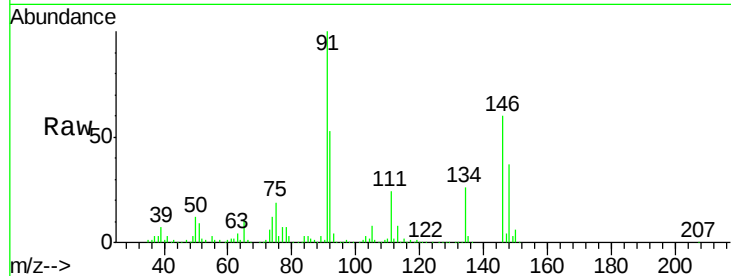
#87
 1,2-Dichlorobenzene
 Concen: 20.508 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.2
148	64.3	31.4	94.3

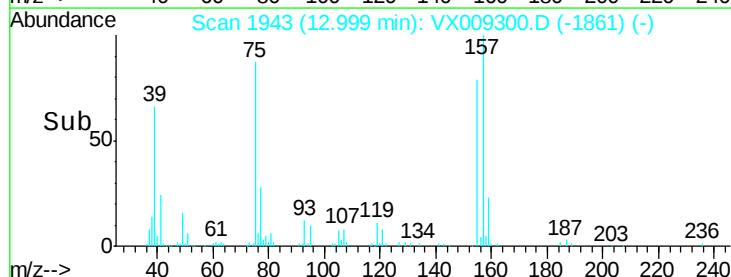
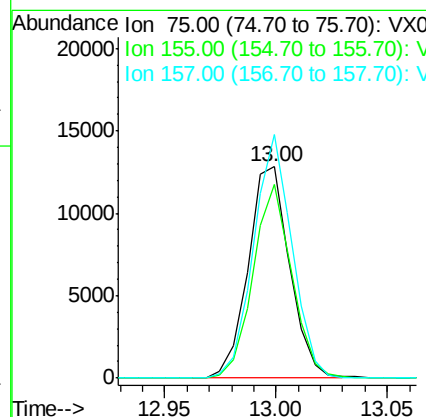
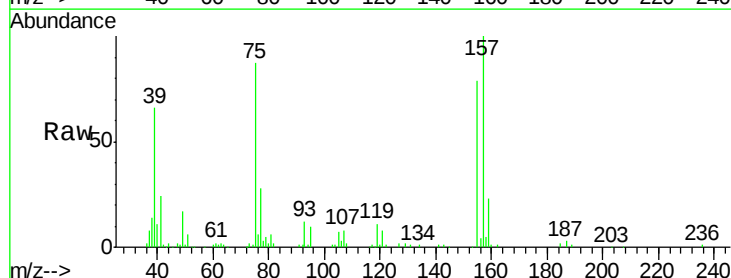
Manual Integrations
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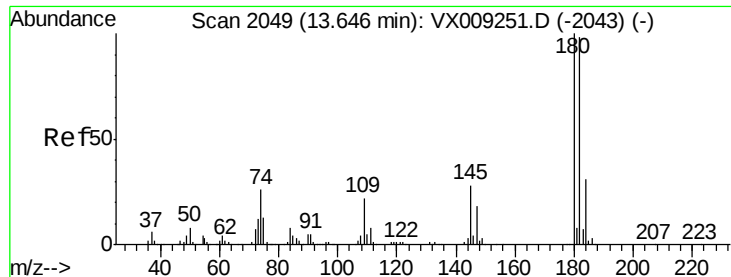
MMDadoda
 5/6/2019 9:28:13 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.031 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	65.9	98.9
157	106.4	85.2	127.8





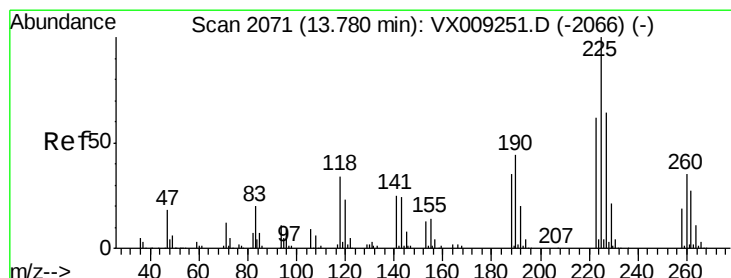
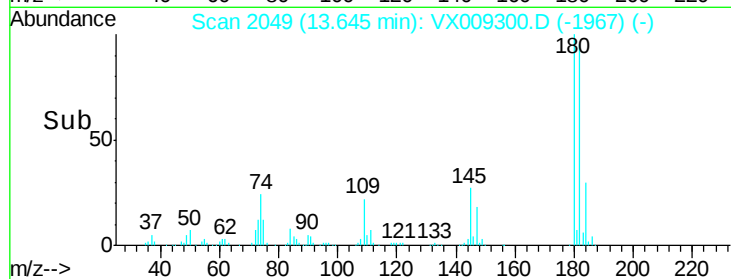
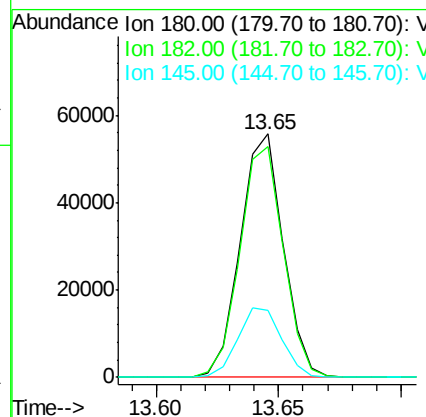
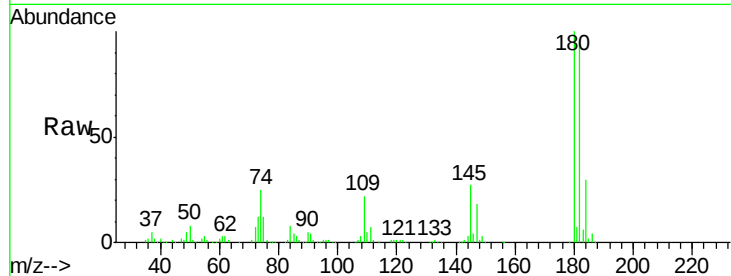
#89
 1,2,4-Trichlorobenzene
 Concen: 20.853 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	67996		
182	96.7	76.9	115.3	
145	29.3	23.0	34.6	

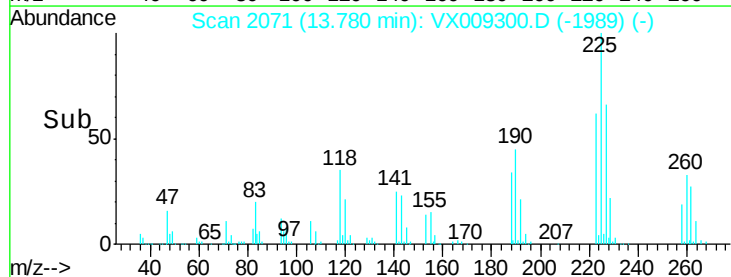
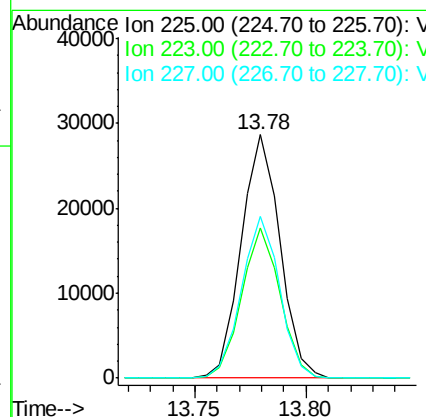
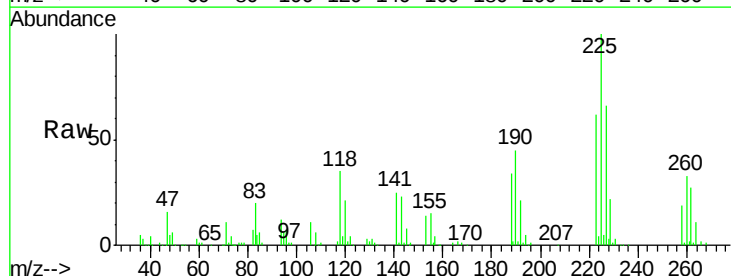
Manual Integrations
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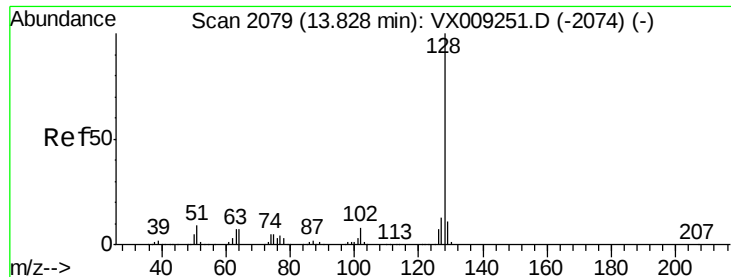
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#90
 Hexachlorobutadiene
 Concen: 21.414 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009300.D
 Acq: 03 May 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34878		
223	61.1	0.0	126.6	
227	65.3	0.0	130.0	





#91

Naphthalene

Concen: 20.068 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Instrument :

MSVOA_X

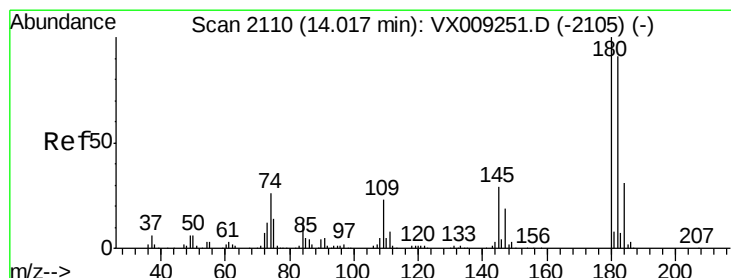
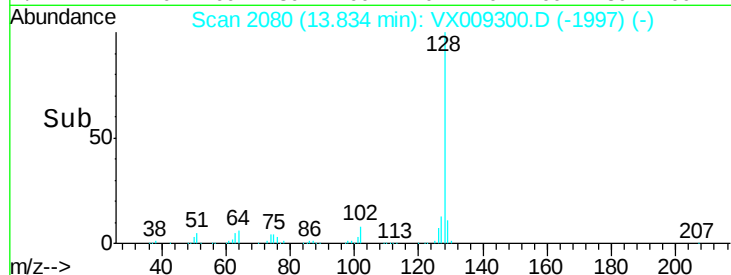
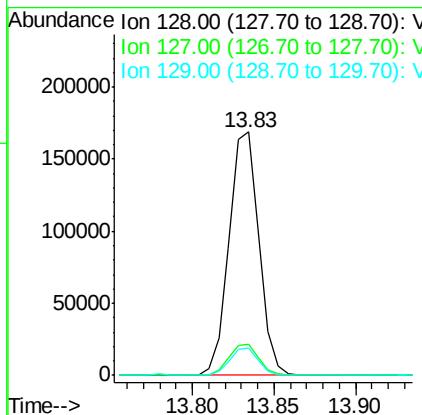
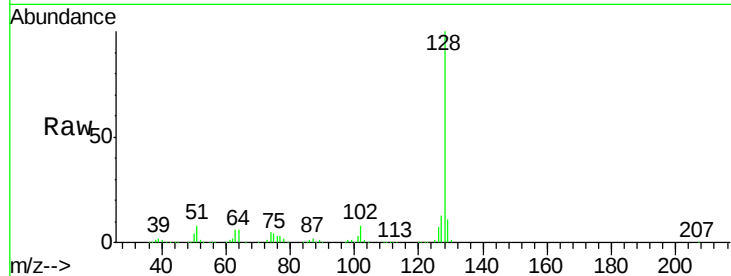
ClientSampled :

VSTDCCC020

Tot Ion:	128	Resp:	214245
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#92

1,2,3-Trichlorobenzene

Concen: 20.572 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009300.D

Acq: 03 May 2019 09:47

Tgt Ion:	180	Resp:	68187
Ion Ratio		Lower	Upper
180	100		
182	96.0	0.0	189.0
145	30.7	0.0	61.6

