

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005824.D
 Acq On : 07 Nov 2018 12:58
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:24 AM

Quant Time: Nov 07 14:13:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:01:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	127261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	172631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	168953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	28480	15.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.62%	
35) Dibromofluoromethane	5.50	113	23191	19.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.80%	
50) Toluene-d8	8.71	98	77814	18.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.12%	
62) 4-Bromofluorobenzene	11.14	95	25025	16.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	23068	15.691	ug/l	98
3) Chloromethane	1.32	50	27469	15.841	ug/l	98
4) Vinyl Chloride	1.40	62	29925	16.587	ug/l	96
5) Bromomethane	1.64	94	15967	7.132	ug/l	98
6) Chloroethane	1.73	64	17588	13.425	ug/l	97
7) Trichlorofluoromethane	1.93	101	38720	16.721	ug/l	98
8) Diethyl Ether	2.18	74	15073	14.481	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	22127	15.731	ug/l	100
10) Methyl Iodide	2.51	142	25617	20.408	ug/l	99
11) Tert butyl alcohol	3.07	59	38476	76.148	ug/l	99
12) 1,1-Dichloroethene	2.37	96	20533	14.980	ug/l	91
13) Acrolein	2.29	56	17945	54.116	ug/l	99
14) Allyl chloride	2.73	41	46030	16.241	ug/l	96
15) Acrylonitrile	3.15	53	85648	77.084	ug/l	99
16) Acetone	2.45	43	77342	72.981	ug/l	93
17) Carbon Disulfide	2.57	76	61076	14.501	ug/l	97
18) Methyl Acetate	2.78	43	42920	16.074	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	69832	14.718	ug/l	99
20) Methylene Chloride	2.85	84	24603	15.334	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	22424	15.461	ug/l	83
22) Diisopropyl ether	3.87	45	83957	15.969	ug/l #	95
23) Vinyl Acetate	3.82	43	365601	79.836	ug/l	99
24) 1,1-Dichloroethane	3.70	63	45383	15.266	ug/l	99
25) 2-Butanone	4.70	43	118491	75.496	ug/l	95
26) 2,2-Dichloropropane	4.59	77	33709	15.168	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	24912	15.286	ug/l	97
28) Bromochloromethane	5.02	49	19974	13.772	ug/l	100
29) Tetrahydrofuran	5.15	42	77378	80.773	ug/l	100
30) Chloroform	5.21	83	43826	15.078	ug/l	93
31) Cyclohexane	5.58	56	39471	15.877	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	35948	15.454	ug/l	99
36) 1,1-Dichloropropene	5.80	75	32807	17.837	ug/l	98
37) Ethyl Acetate	4.86	43	43410	18.500	ug/l	99
38) Carbon Tetrachloride	5.78	117	32225	19.393	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	31726	16.540	ug/l	87
40) Benzene	6.13	78	94973	17.357	ug/l	99
41) Methacrylonitrile	5.05	41	22578	17.808	ug/l	99
42) 1,2-Dichloroethane	6.20	62	35372	17.489	ug/l	99
43) Isopropyl Acetate	6.46	43	61926	18.183	ug/l	99
44) Trichloroethene	7.21	130	23153	18.295	ug/l	83
45) 1,2-Dichloropropane	7.52	63	22229	15.853	ug/l	99
46) Dibromomethane	7.66	93	14498	16.178	ug/l	97
47) Bromodichloromethane	7.90	83	26587	15.817	ug/l	96
48) Methyl methacrylate	7.77	41	26405	16.019	ug/l	99
49) 1,4-Dioxane	7.75	88	12330	335.919	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	214094	92.192	ug/l	91
52) Toluene	8.79	92	58702	19.834	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	31145	17.097	ug/l #	87
54) cis-1,3-Dichloropropene	8.44	75	33276	17.050	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	24446	19.019	ug/l #	90
56) Ethyl methacrylate	9.18	69	34605	17.822	ug/l	97
57) 1,3-Dichloropropane	9.37	76	41534	18.812	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	91458	83.340	ug/l	100
59) 2-Hexanone	9.49	43	179522	94.993	ug/l	96
60) Dibromochloromethane	9.59	129	26582	21.402	ug/l	97
61) 1,2-Dibromoethane	9.67	107	27473	20.976	ug/l	100
64) Tetrachloroethene	9.34	164	28103	22.768	ug/l	97
65) Chlorobenzene	10.14	112	70431	19.617	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	22822	18.569	ug/l	95
67) Ethyl Benzene	10.25	91	102580	16.741	ug/l	95
68) m/p-Xylenes	10.36	106	81933	35.985	ug/l	98
69) o-Xylene	10.70	106	36669	16.839	ug/l	95
70) Styrene	10.71	104	63017	17.423	ug/l	96
71) Bromoform	10.85	173	17817	17.892	ug/l #	99
73) Isopropylbenzene	11.02	105	98919	19.804	ug/l	96
74) N-amyl acetate	10.90	43	50262	18.900	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	31537	15.219	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	32170m	17.060	ug/l	
77) Bromobenzene	11.26	156	24546	19.810	ug/l	99
78) n-propylbenzene	11.36	91	107911	17.759	ug/l	99
79) 2-Chlorotoluene	11.42	91	63987	17.631	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	78844	18.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	10471	17.941	ug/l	97
82) 4-Chlorotoluene	11.51	91	76200	17.587	ug/l	99
83) tert-Butylbenzene	11.77	119	75260	18.598	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	81121	18.942	ug/l	100
85) sec-Butylbenzene	11.94	105	93364	17.986	ug/l	100
86) p-Isopropyltoluene	12.07	119	84300	19.095	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	45897	19.157	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	46572	18.095	ug/l	98
89) n-Butylbenzene	12.39	91	73669	16.539	ug/l	100
90) Hexachloroethane	12.60	117	13079	16.699	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	45540	18.195	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7816	16.081	ug/l	99

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VSTDICC020

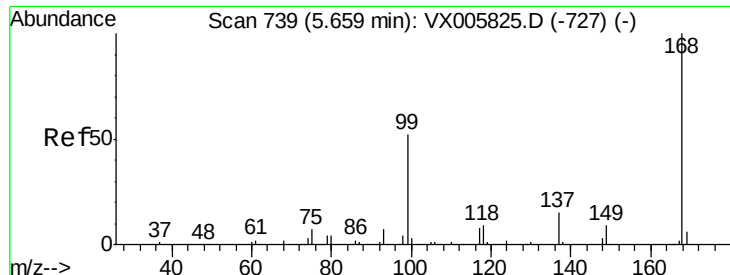
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	33674	20.977	ug/l	99
94) Hexachlorobutadiene	13.79	225	17160	22.096	ug/l	99
95) Naphthalene	13.83	128	100381	19.014	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	34926	21.371	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 127261

Ion Ratio Lower Upper

168 100

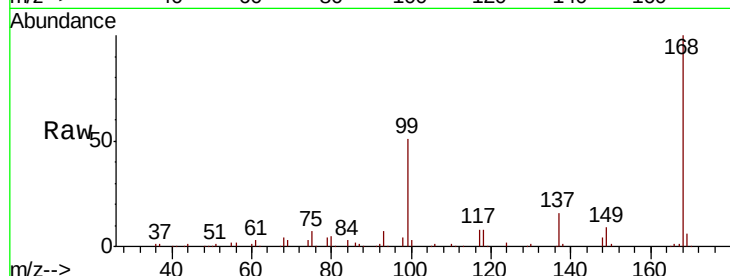
99 50.7 40.7 61.1

Manual Integrations

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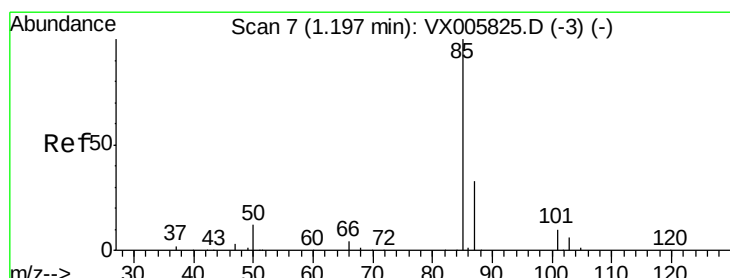
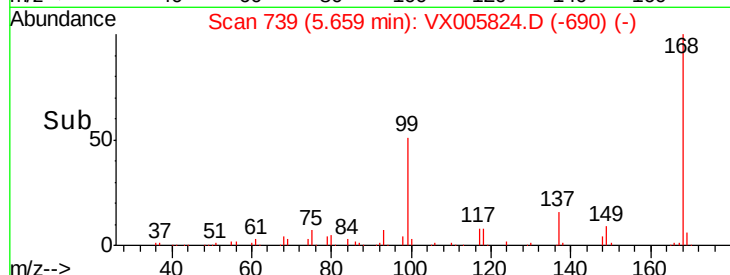
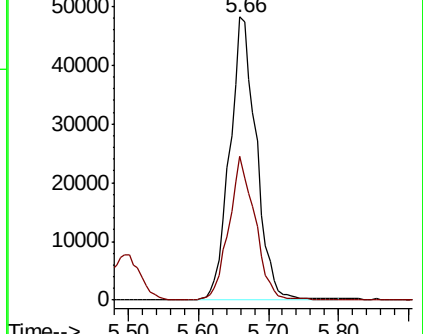
MMDadoda

11/8/2018 10:35:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.691 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005824.D

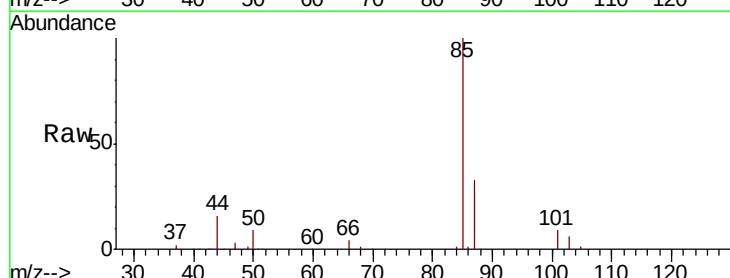
Acq: 07 Nov 2018 12:58

Tgt Ion: 85 Resp: 23068

Ion Ratio Lower Upper

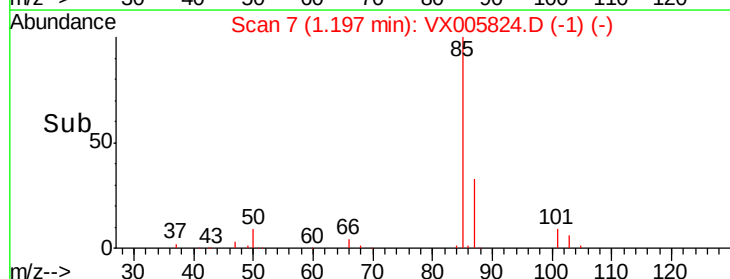
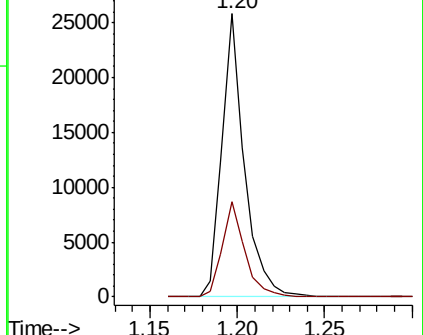
85 100

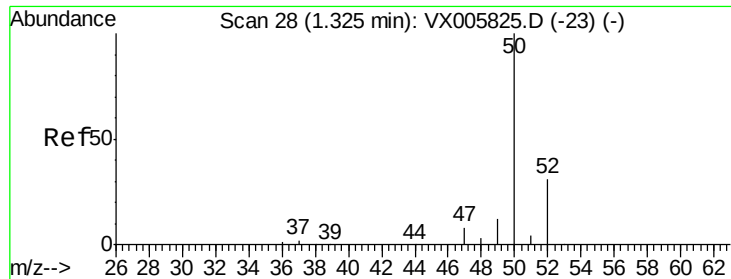
87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 15.841 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 27469

Ion Ratio Lower Upper

50 100

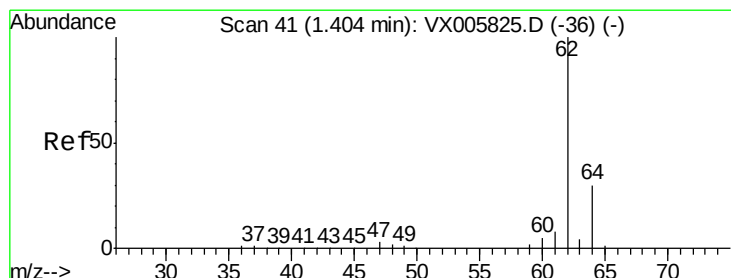
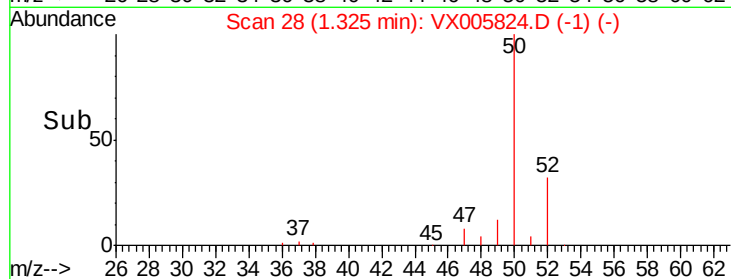
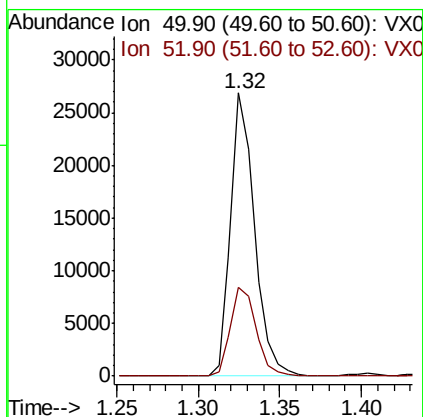
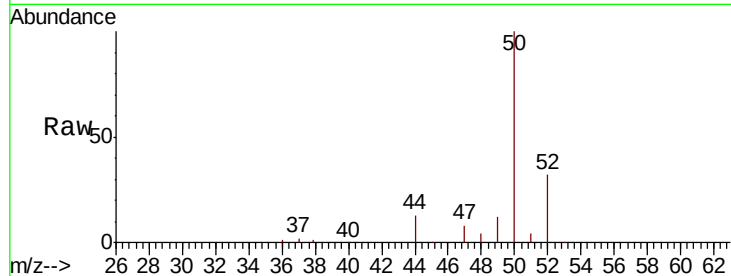
52 31.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.587 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005824.D

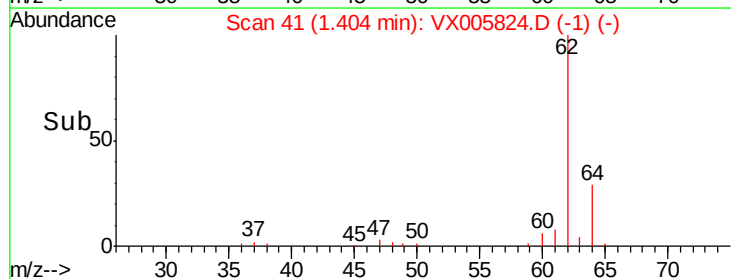
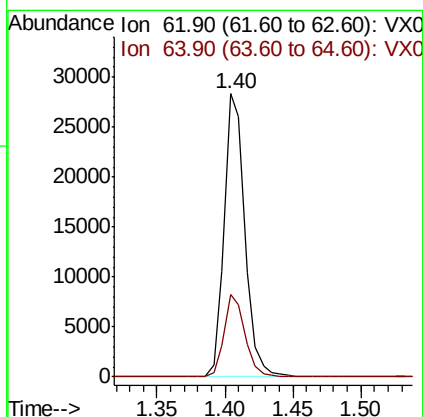
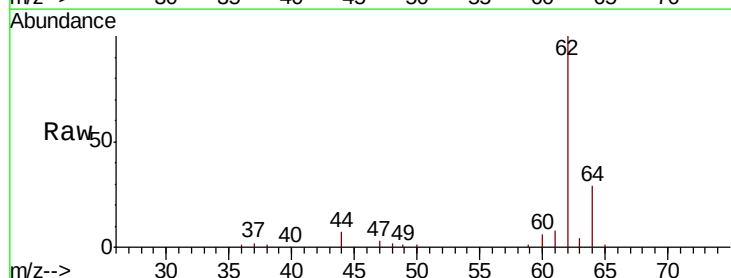
Acq: 07 Nov 2018 12:58

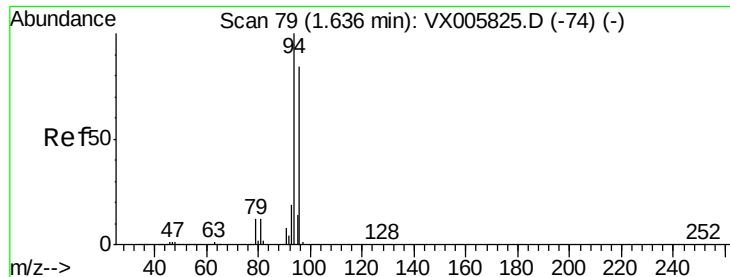
Tgt Ion: 62 Resp: 29925

Ion Ratio Lower Upper

62 100

64 29.1 25.3 37.9





#5

Bromomethane

Concen: 7.132 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 15967

Ion Ratio Lower Upper

94 100

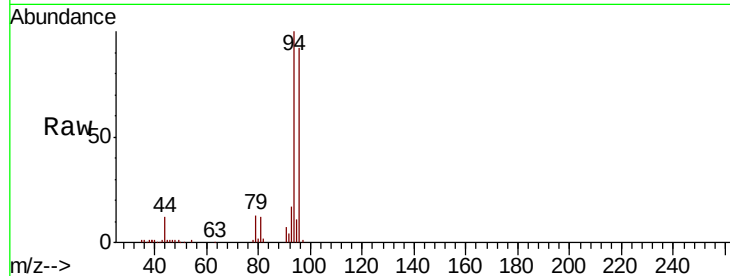
96 91.8 75.2 112.8

Manual Integrations

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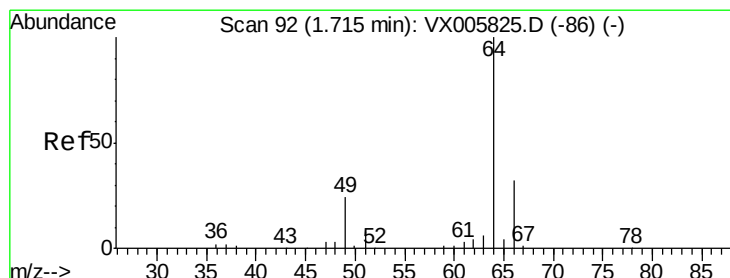
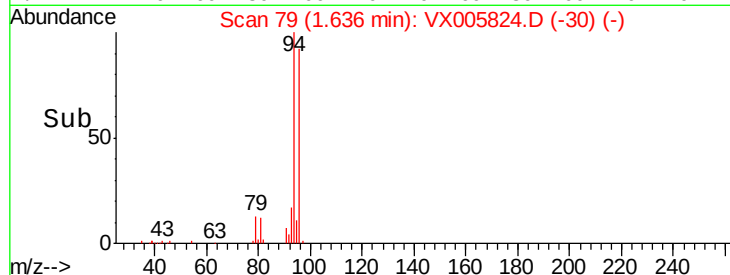
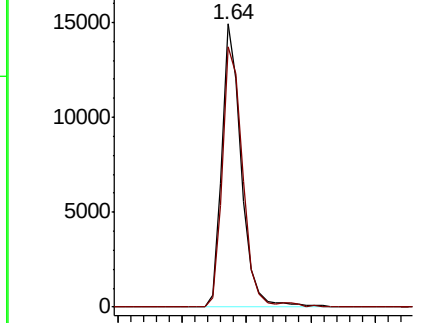
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 13.425 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005824.D

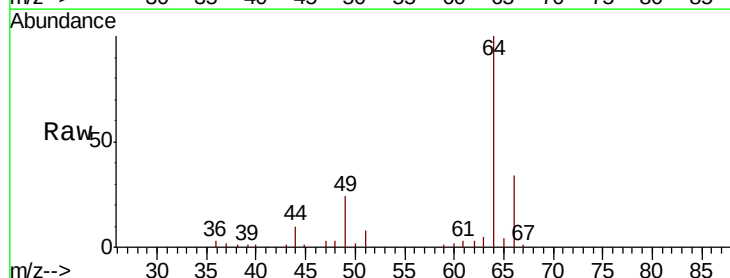
Acq: 07 Nov 2018 12:58

Tgt Ion: 64 Resp: 17588

Ion Ratio Lower Upper

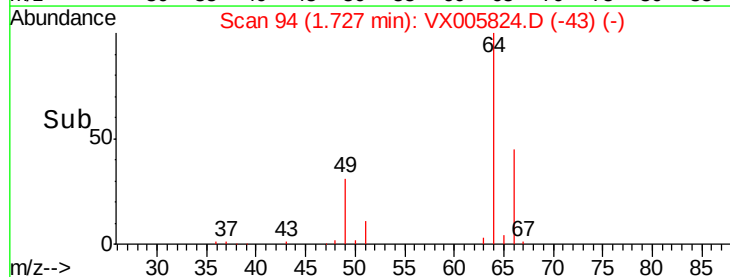
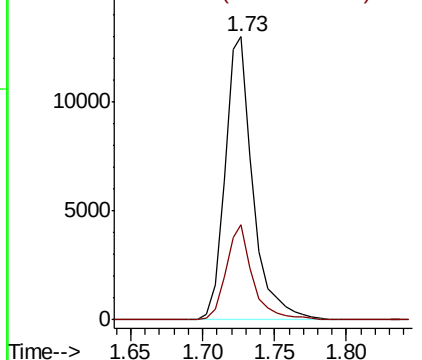
64 100

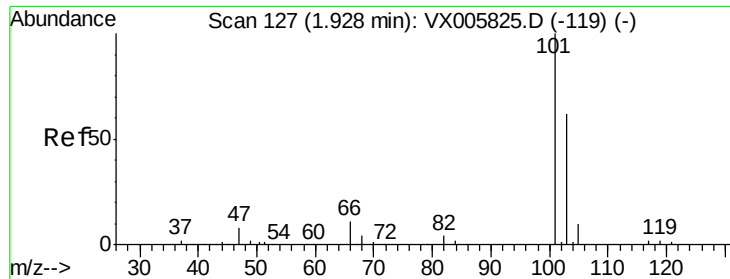
66 33.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

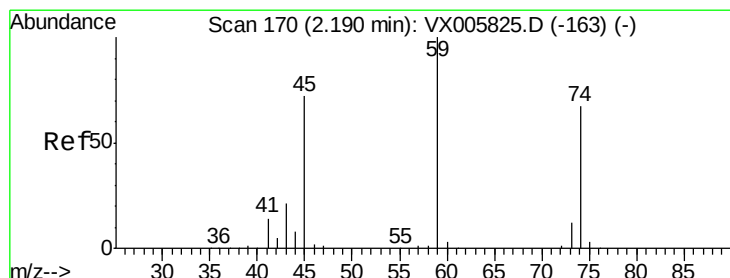
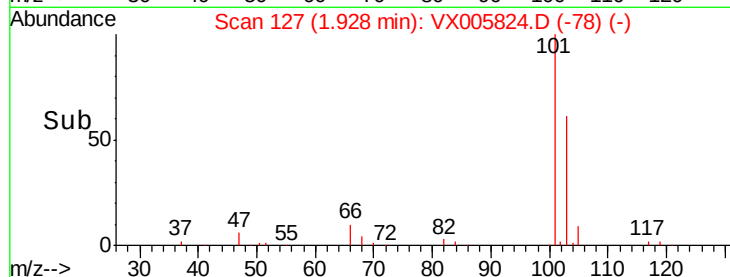
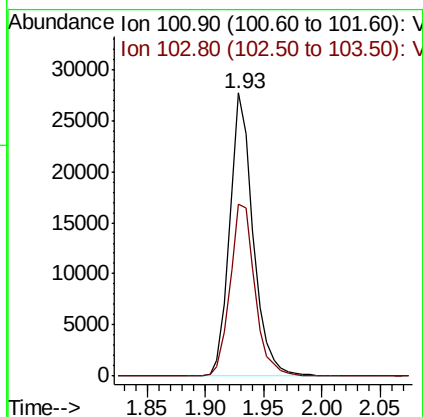
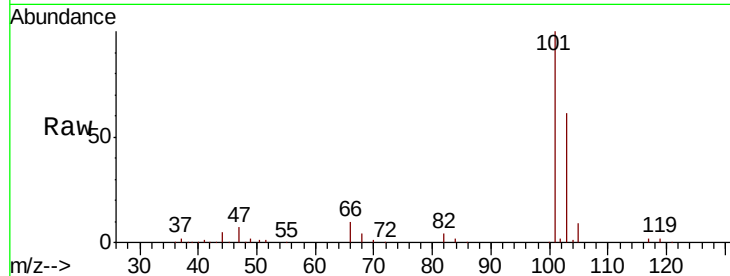
Trichlorofluoromethane
Concen: 16.721 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

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ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 38720
Ion Ratio Lower Upper
101 100
103 61.0 50.0 75.0

Manual Integrations
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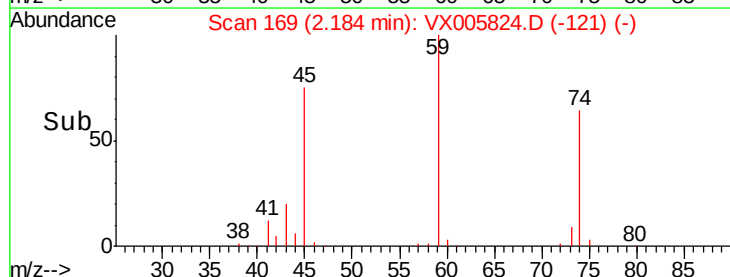
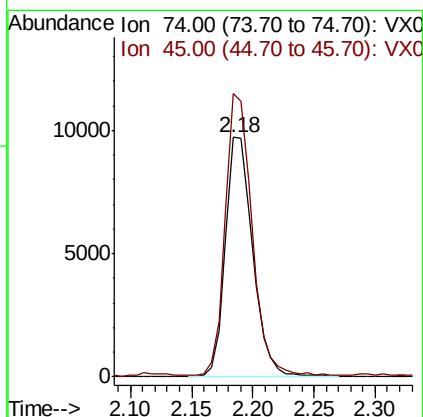
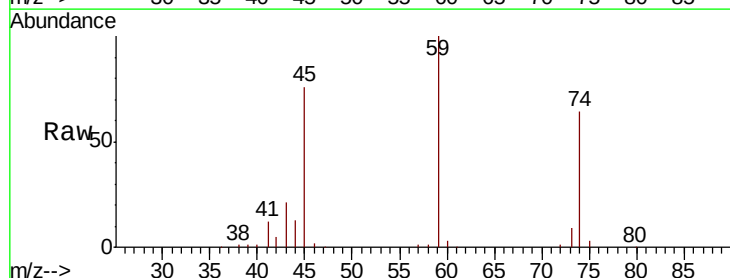
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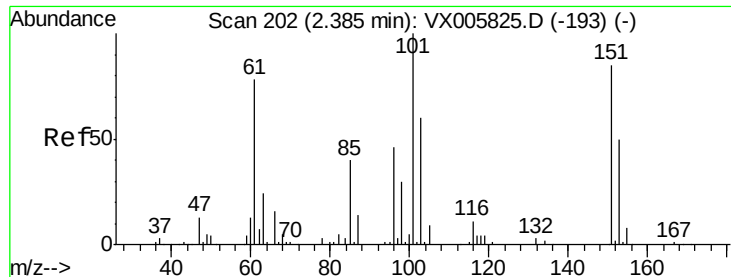


#8

Diethyl Ether
Concen: 14.481 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion: 74 Resp: 15073
Ion Ratio Lower Upper
74 100
45 114.9 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.731 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

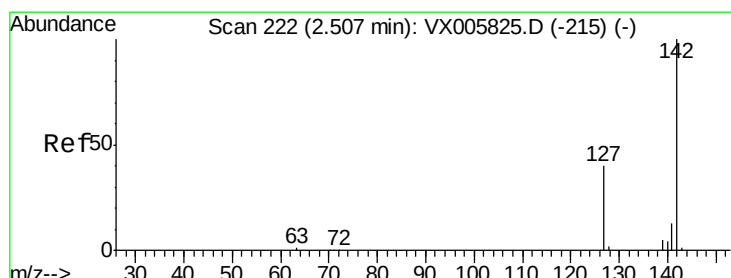
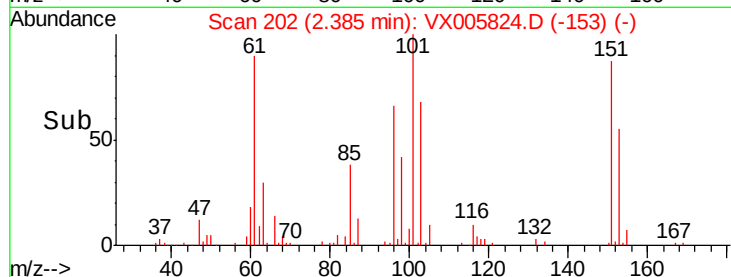
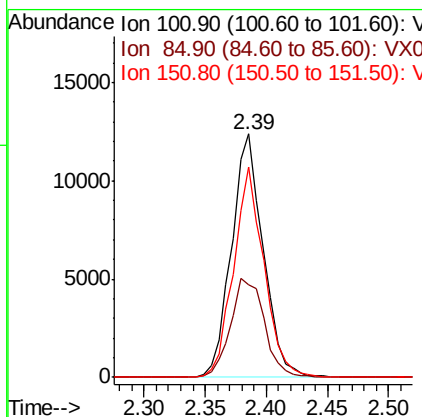
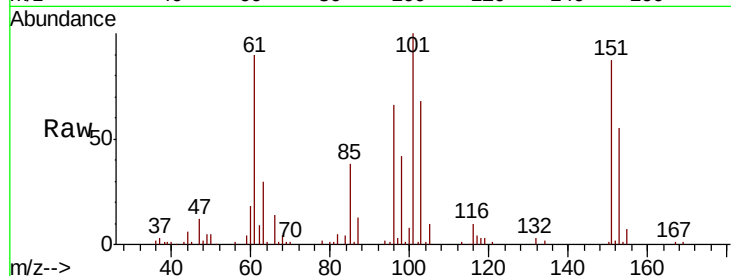
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	22127
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.0	52.4
151	83.0	66.2	99.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.408 ug/l

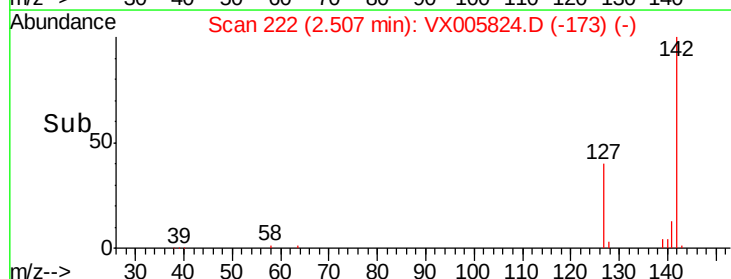
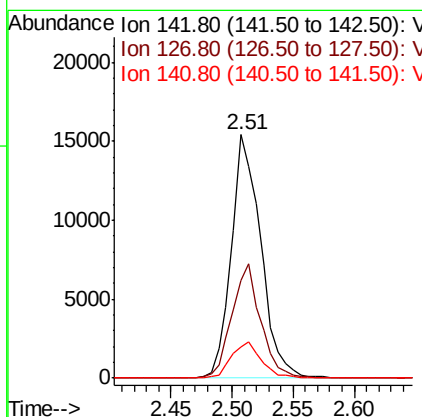
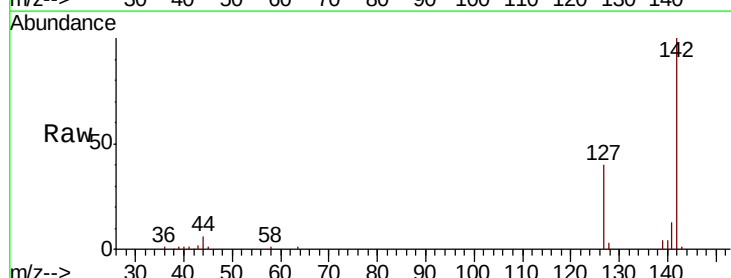
RT: 2.51 min Scan# 222

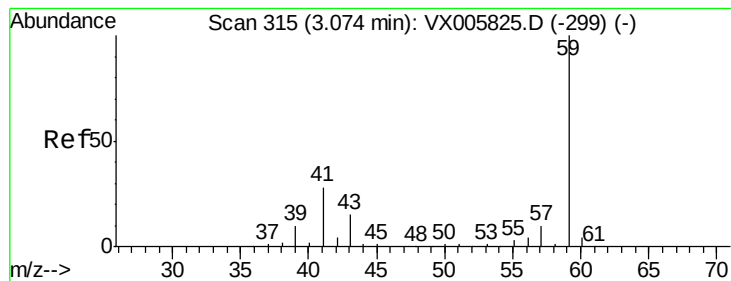
Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion:	142	Resp:	25617
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.0	54.0
141	14.8	11.7	17.5





#11

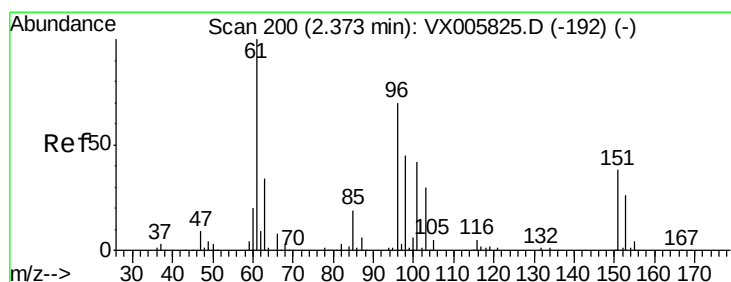
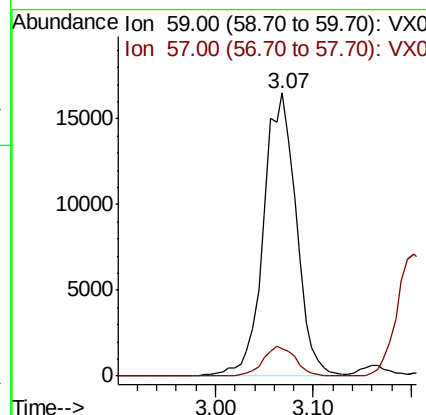
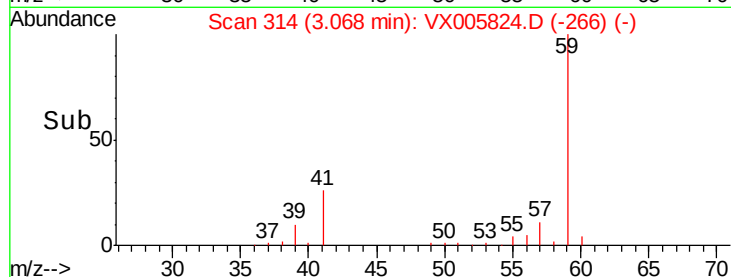
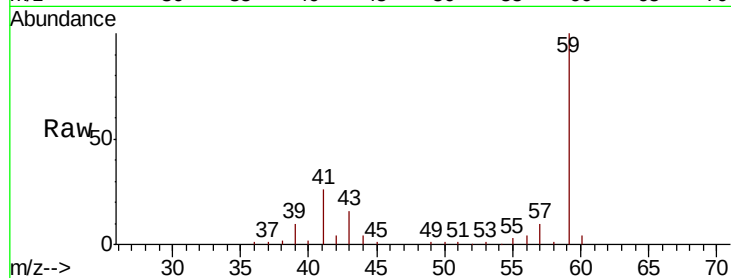
Tert butyl alcohol
Concen: 76.148 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	59	57	Ratio	100	10.2	Resp	38476	Lower	Upper
Ion	59	57	Ratio	100	10.2	Resp	38476	Lower	Upper
								8.5	12.7

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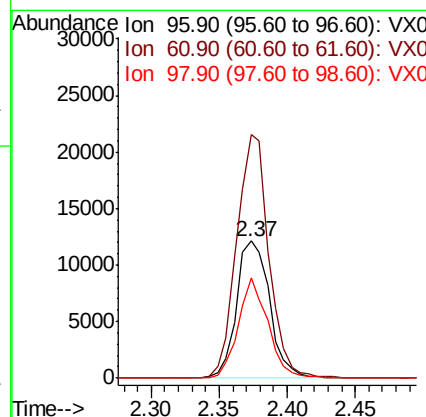
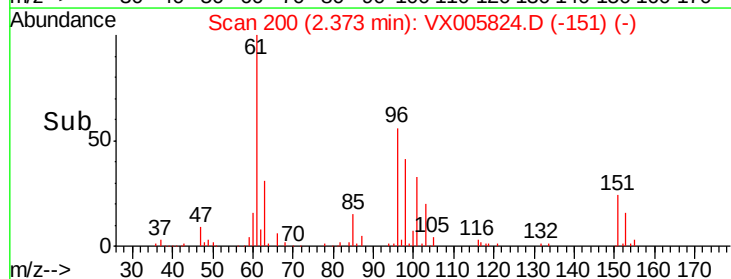
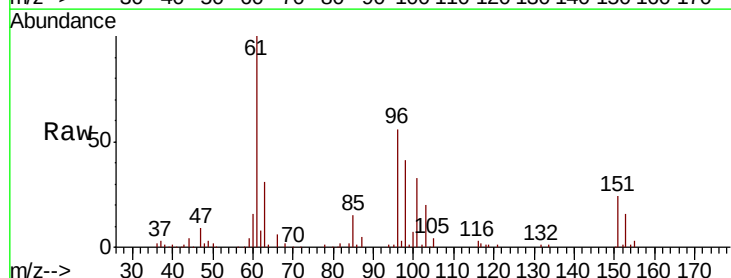
MMDadoda
11/8/2018 10:35:24 AM

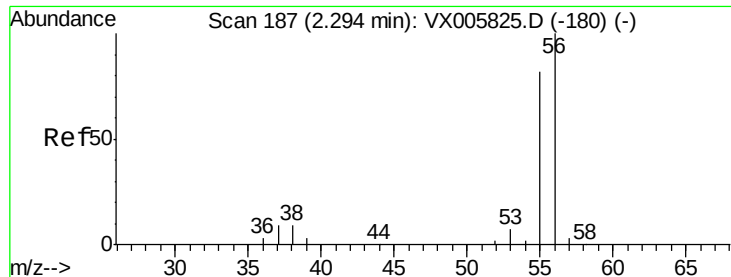


#12

1,1-Dichloroethene
Concen: 14.980 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	96	61	98	Ratio	100	177.5	72.9	Resp	20533	Lower	Upper
Ion	96	61	98	Ratio	100	177.5	72.9	Resp	20533	Lower	Upper
										131.8	197.8
										53.4	80.2





#13

Acrolein

Concen: 54.116 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 17945

Ion Ratio Lower Upper

56 100

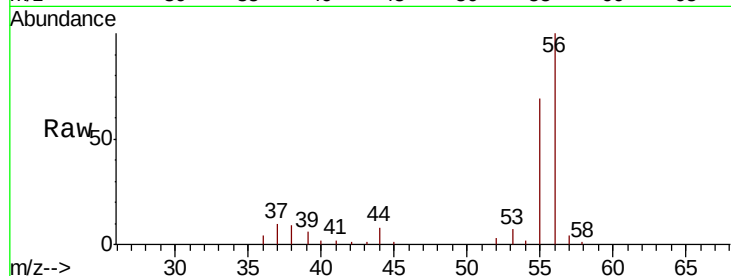
55 70.6 57.3 85.9

Manual Integrations

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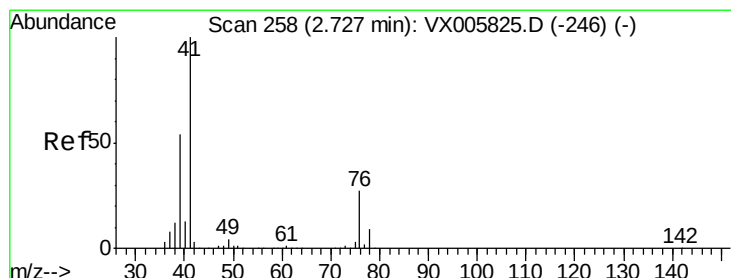
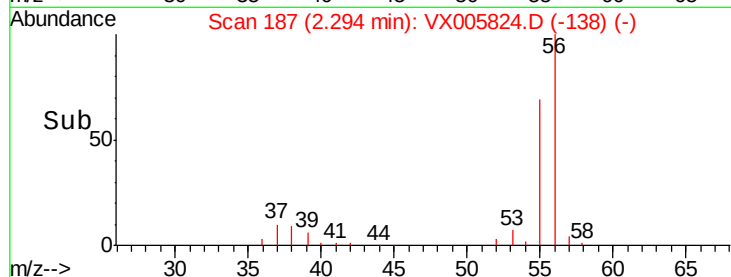
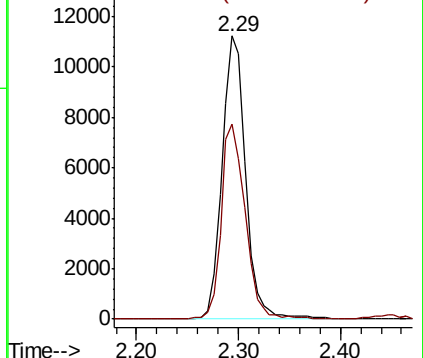
MMDadoda

11/8/2018 10:35:24 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 16.241 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

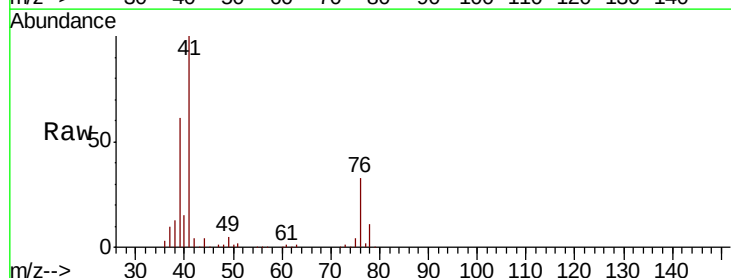
Tgt Ion: 41 Resp: 46030

Ion Ratio Lower Upper

41 100

39 58.6 48.2 72.4

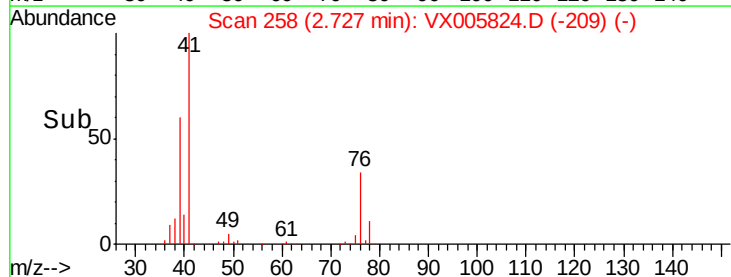
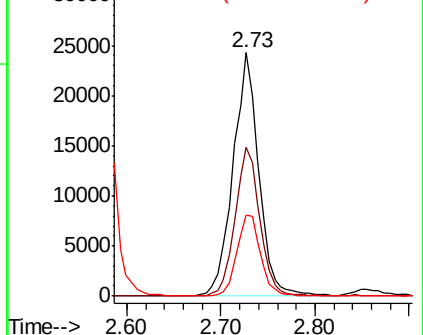
76 30.8 21.9 32.9

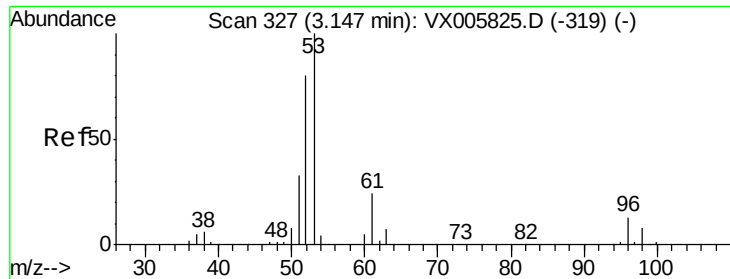


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 77.084 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

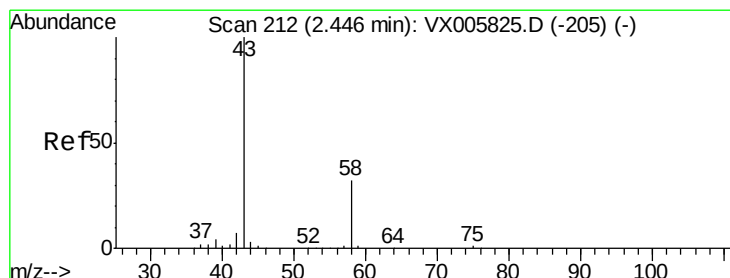
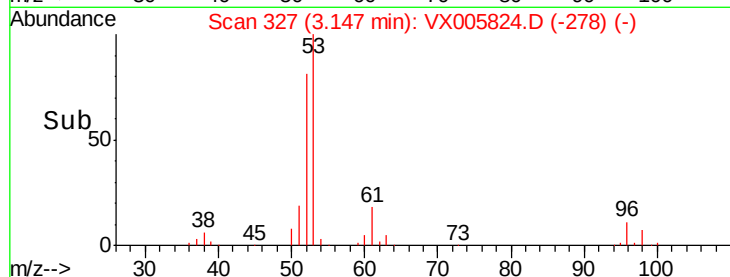
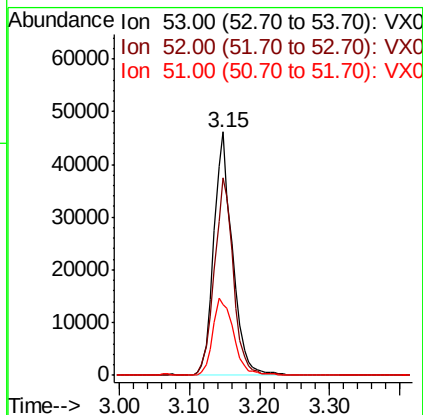
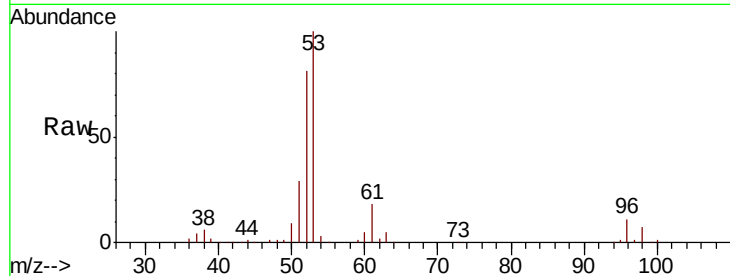
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	85648
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.6	99.8
51	35.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 72.981 ug/l

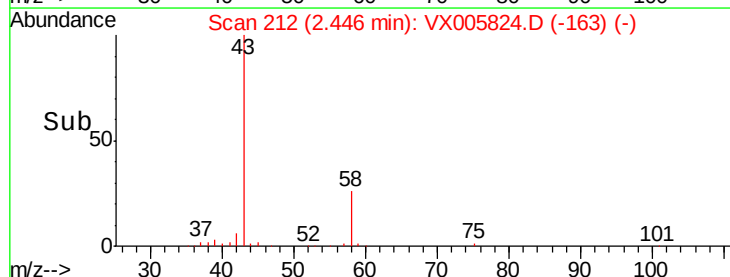
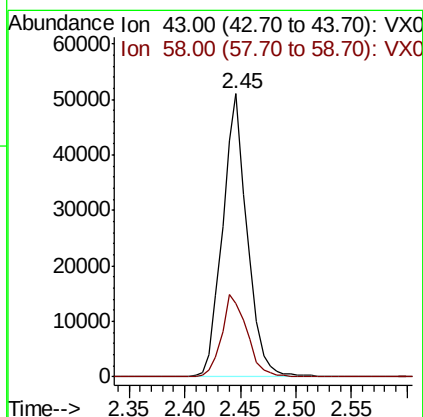
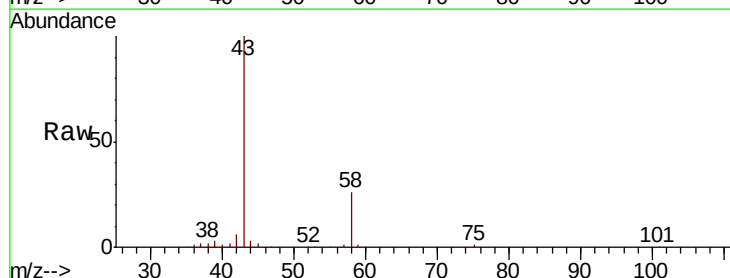
RT: 2.45 min Scan# 212

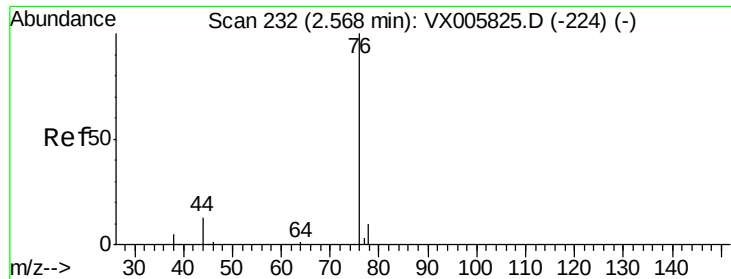
Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion:	43	Resp:	77342
Ion	Ratio	Lower	Upper
43	100		
58	25.9	23.8	35.6





#17

Carbon Disulfide

Concen: 14.501 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 61076

Ion Ratio Lower Upper

76 100

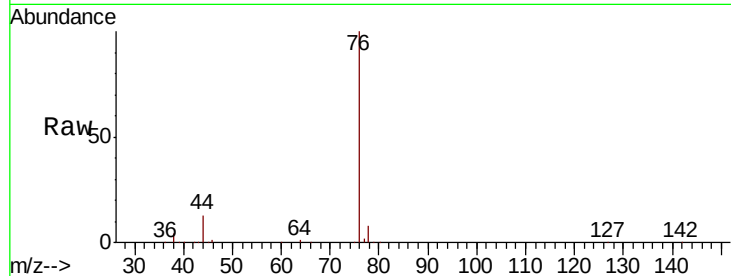
78 8.2 7.3 10.9

Manual Integrations

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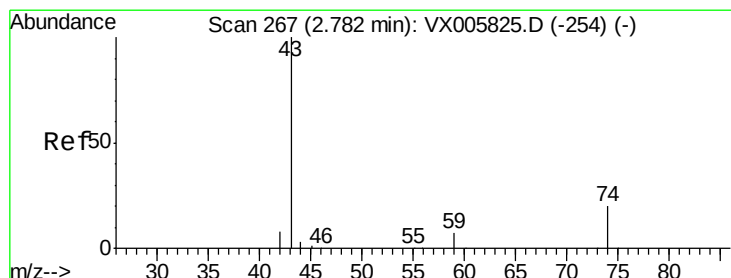
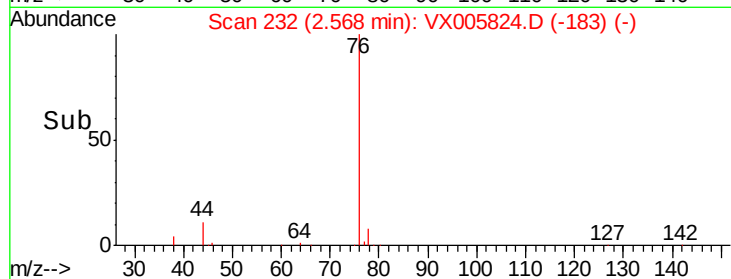
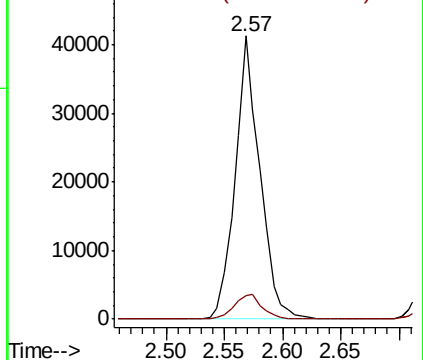
MMDadoda

11/8/2018 10:35:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 16.074 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005824.D

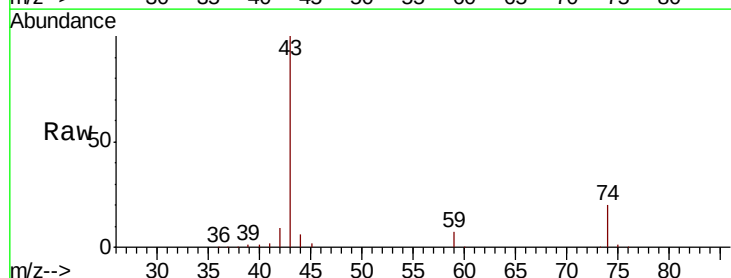
Acq: 07 Nov 2018 12:58

Tgt Ion: 43 Resp: 42920

Ion Ratio Lower Upper

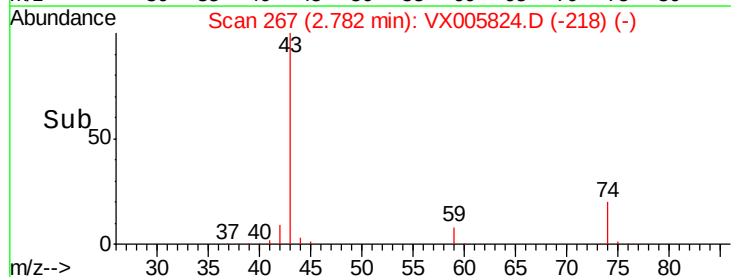
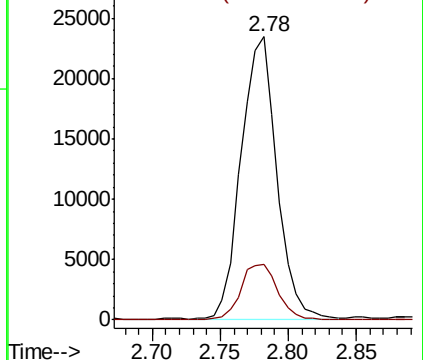
43 100

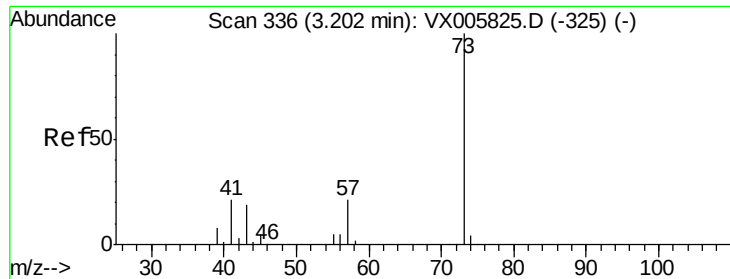
74 20.5 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





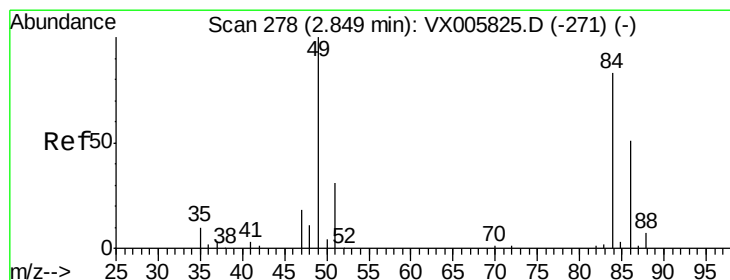
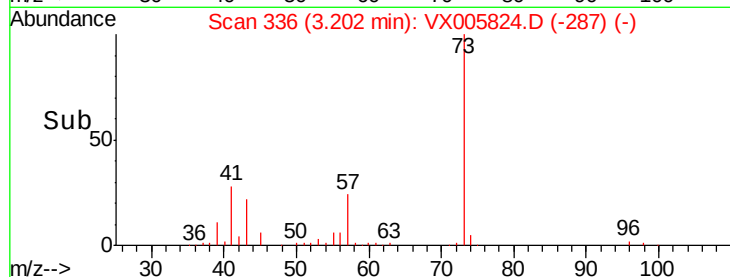
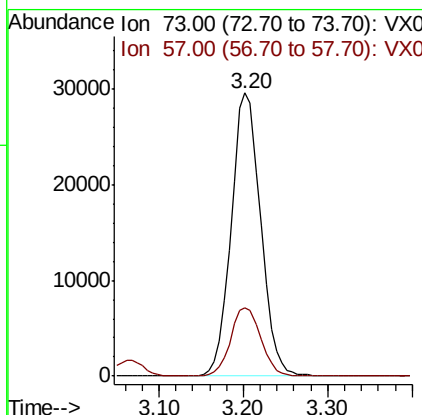
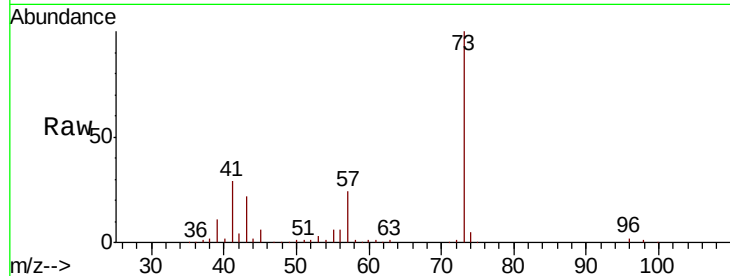
#19
Methyl tert-butyl Ether
Concen: 14.718 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 69832
Ion Ratio Lower Upper
73 100
57 24.1 18.8 28.2

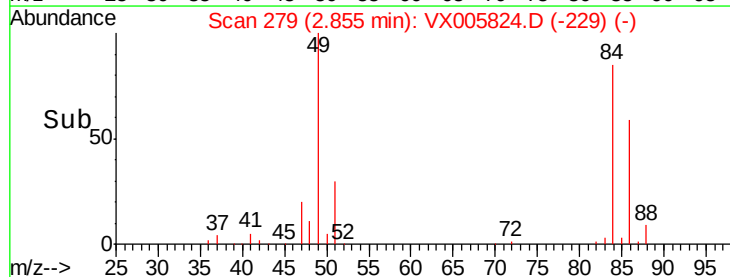
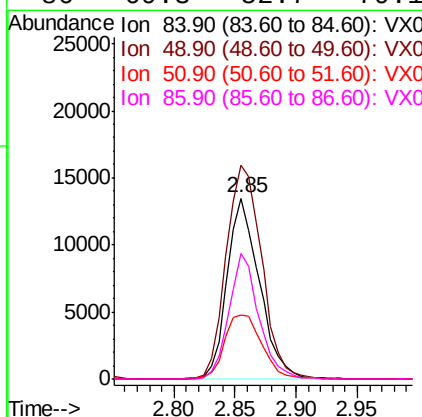
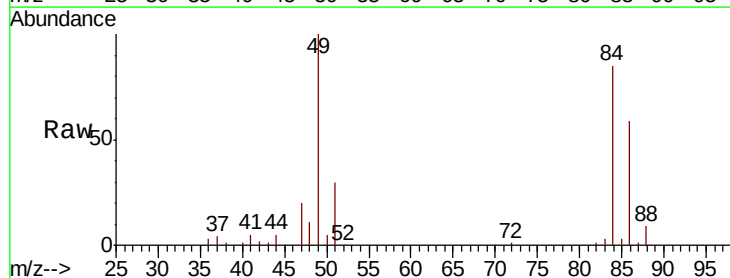
Manual Integrations
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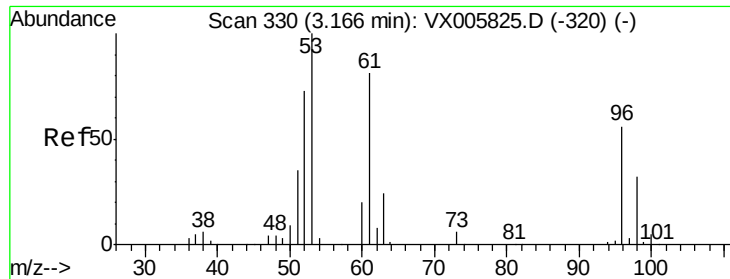
MMDadoda
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#20
Methylene Chloride
Concen: 15.334 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion: 84 Resp: 24603
Ion Ratio Lower Upper
84 100
49 118.1 109.5 164.3
51 35.4 33.3 49.9
86 69.3 52.7 79.1





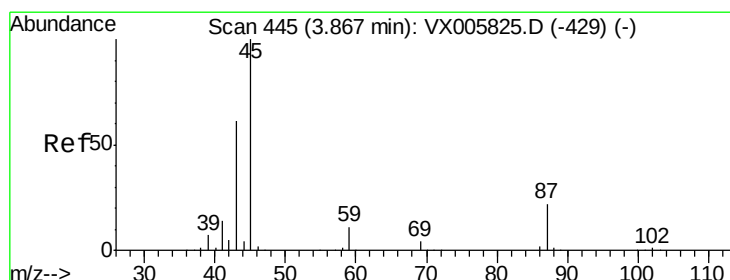
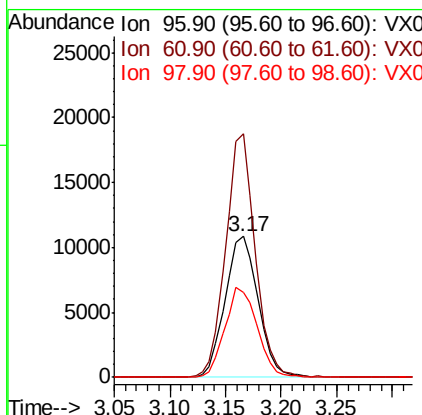
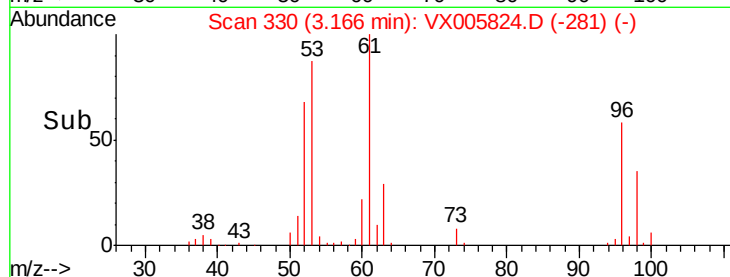
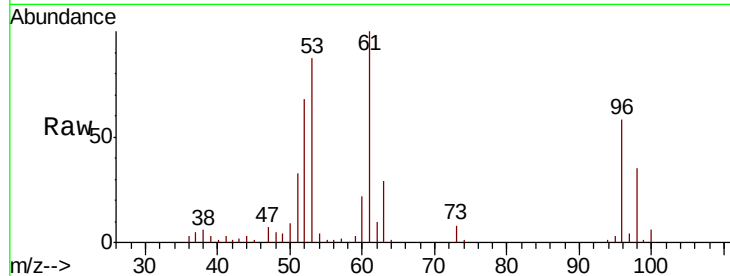
#21
trans-1,2-Dichloroethene
Concen: 15.461 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.9	115.6	173.4
98	60.0	50.2	75.2

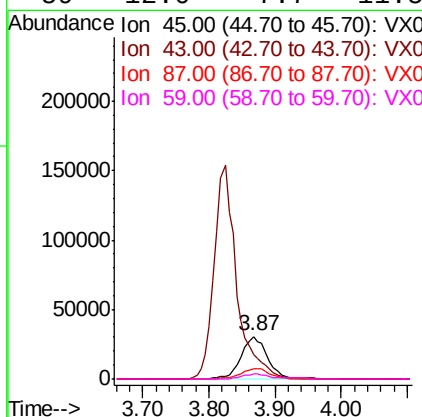
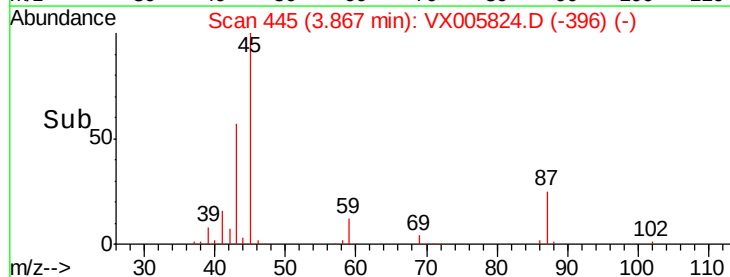
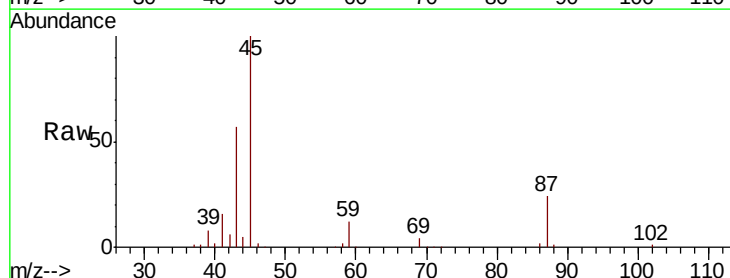
Manual Integrations
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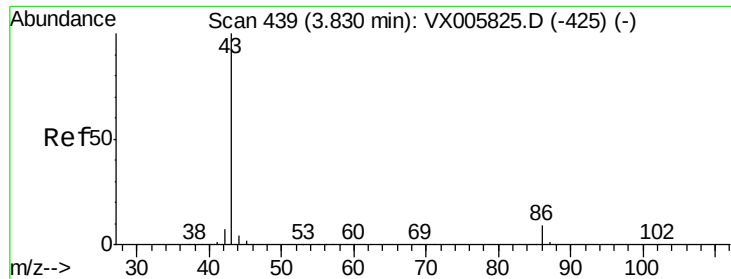
MMDadoda
11/8/2018 10:35:24 AM



#22
Diisopropyl ether
Concen: 15.969 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.8	47.4	71.2
87	24.5	15.9	23.9#
59	12.0	7.7	11.5#





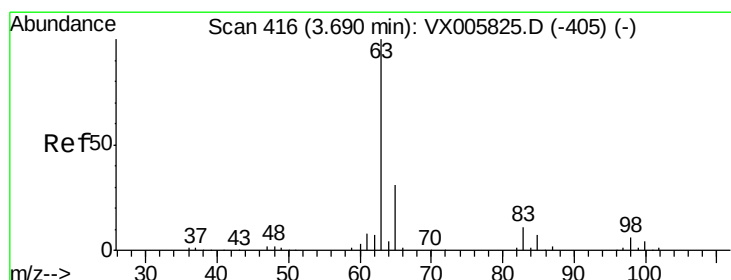
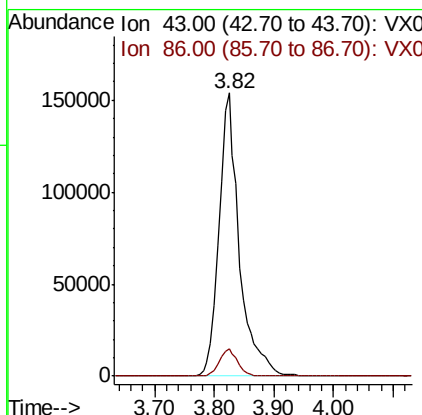
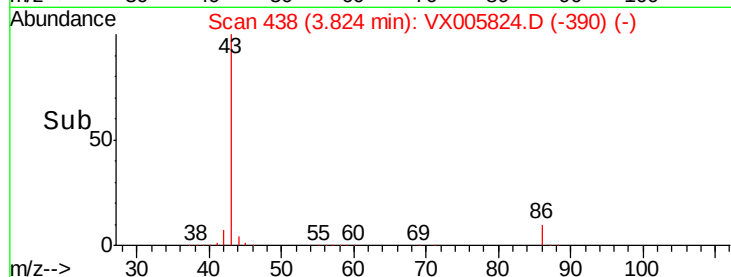
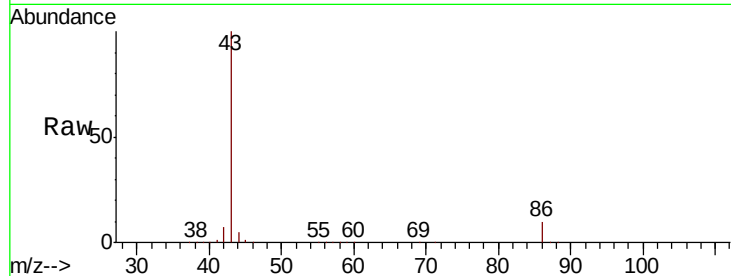
#23
 Vinyl Acetate
 Concen: 79.836 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.4	11.2

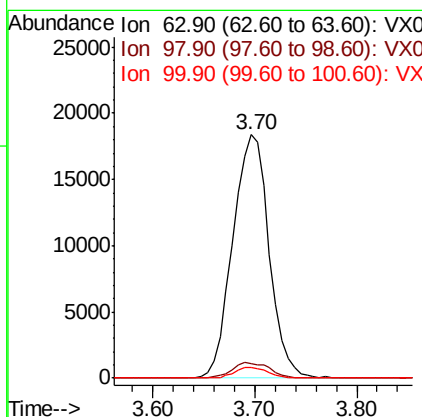
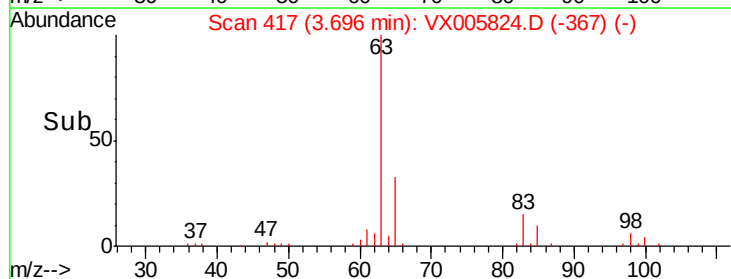
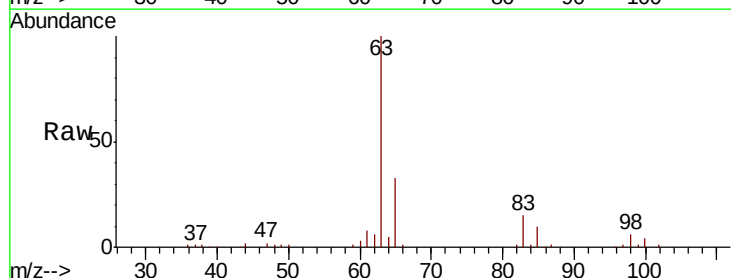
Manual Integrations
 APPROVED

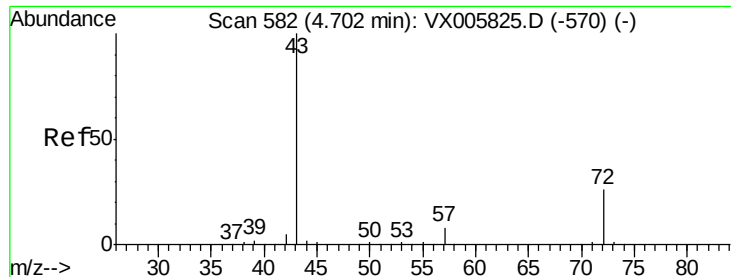
MMDadoda
 11/8/2018 10:35:24 AM



#24
 1,1-Dichloroethane
 Concen: 15.266 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.2	9.6
100	4.4	2.1	6.2





#25

2-Butanone

Concen: 75.496 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 118491

Ion Ratio Lower Upper

43 100

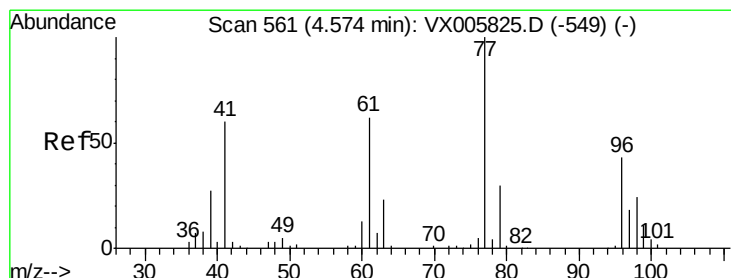
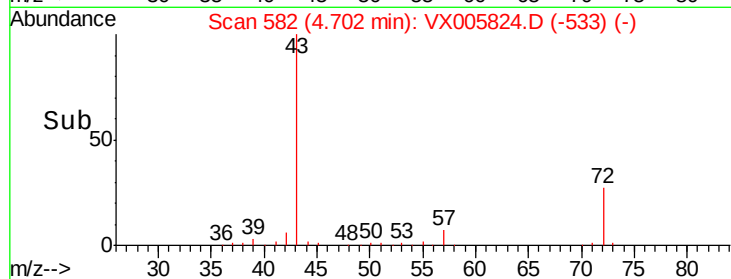
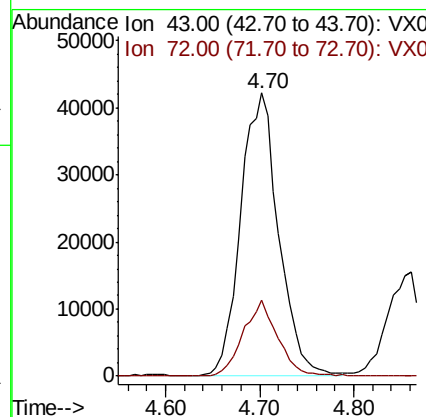
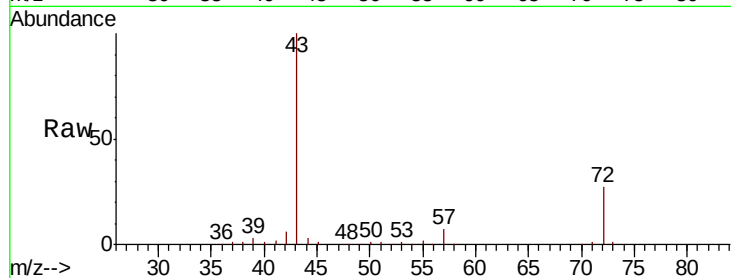
72 26.7 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:24 AM



#26

2,2-Dichloropropane

Concen: 15.168 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005824.D

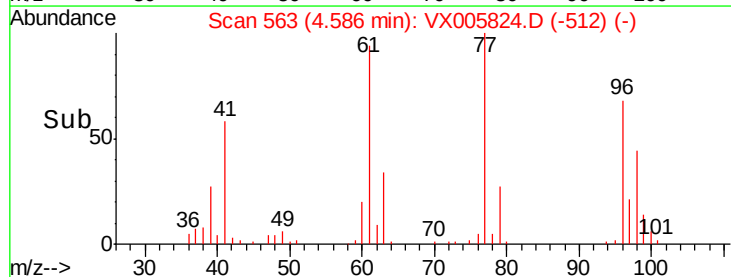
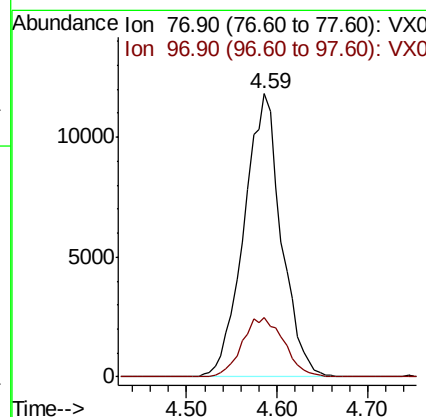
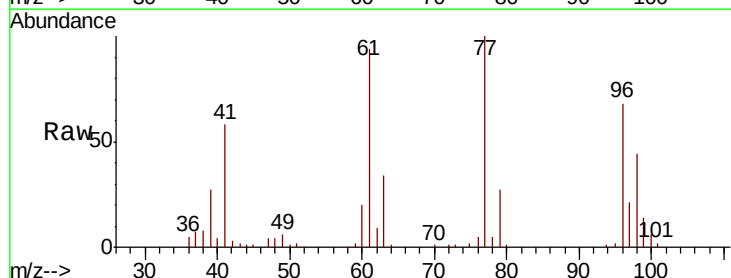
Acq: 07 Nov 2018 12:58

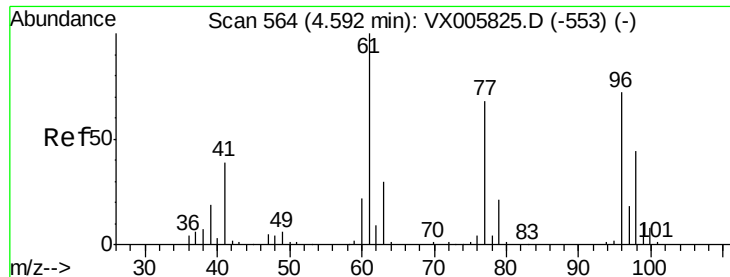
Tgt Ion: 77 Resp: 33709

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.5





#27

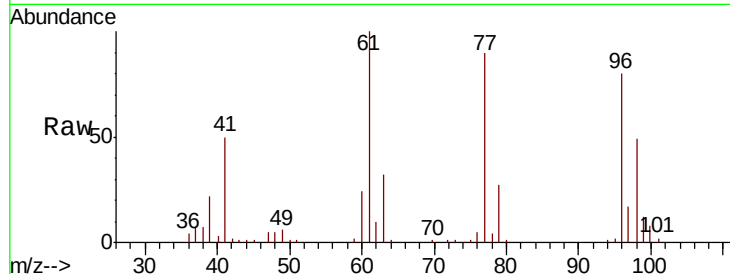
cis-1,2-Dichloroethene
Concen: 15.286 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

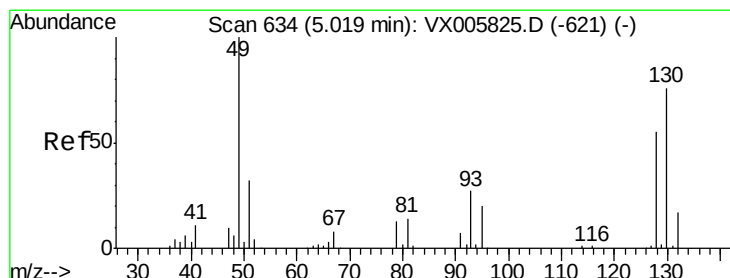
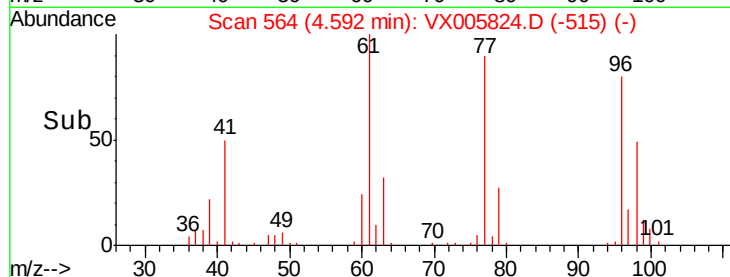
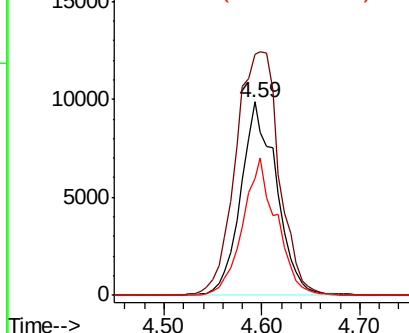
Tot Ion	Ratio	Resp	Lower	Upper
96	100	24912		
61	154.4	0.0	304.6	
98	67.4	0.0	127.4	

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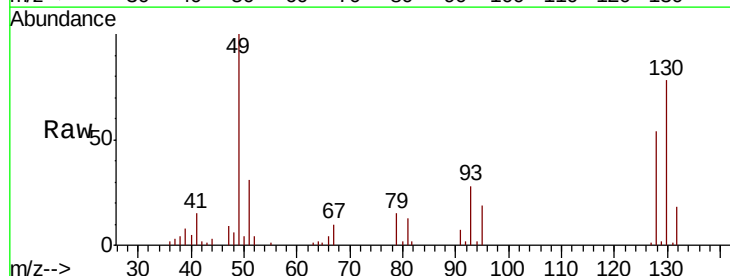
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



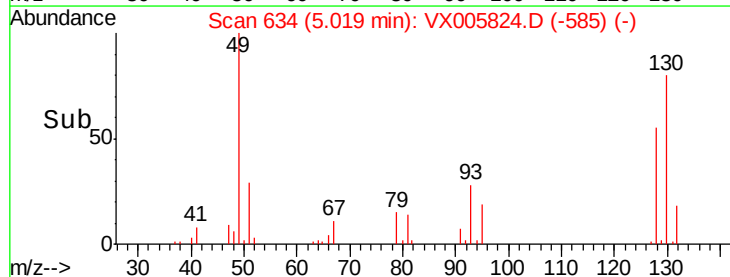
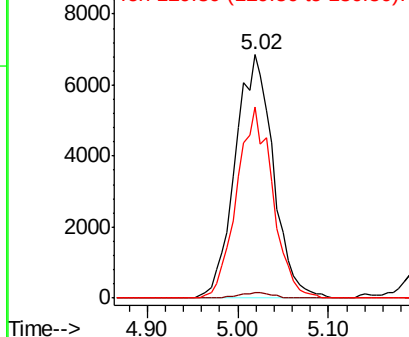
#28

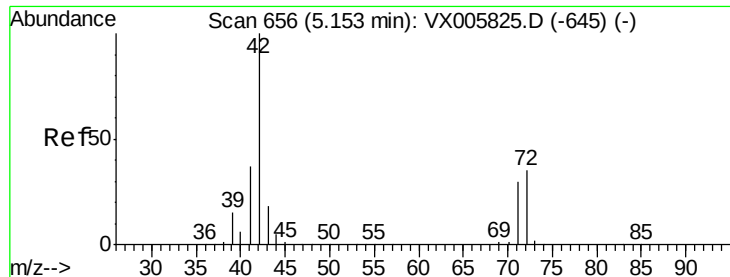
Bromochloromethane
Concen: 13.772 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19974		
129	1.8	0.0	4.0	
130	73.8	58.9	88.3	



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





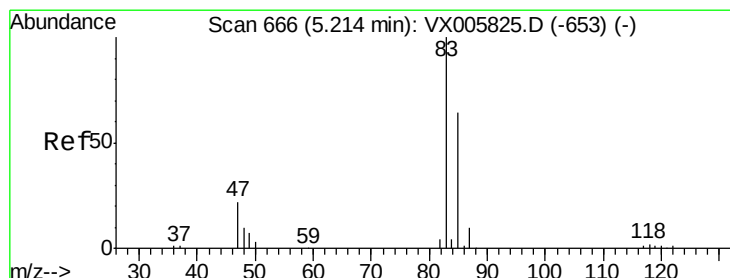
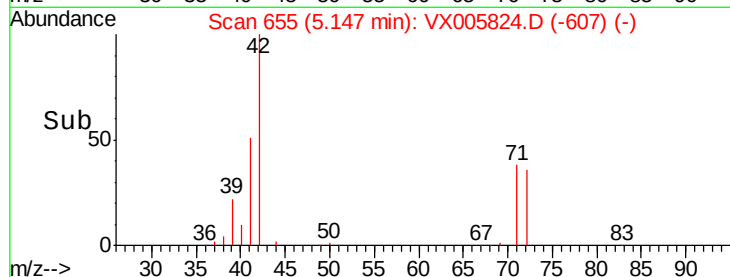
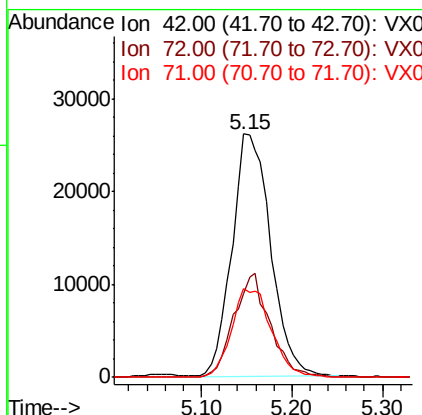
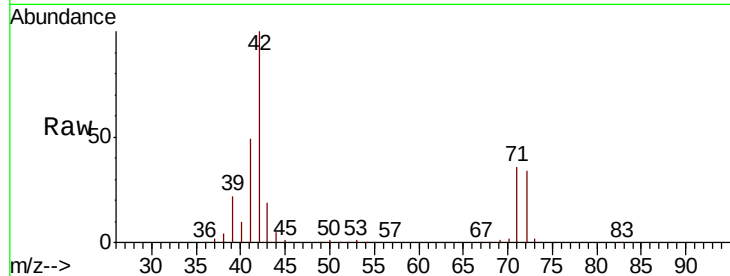
#29
Tetrahydrofuran
Concen: 80.773 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.0	48.0
71	37.6	29.8	44.8

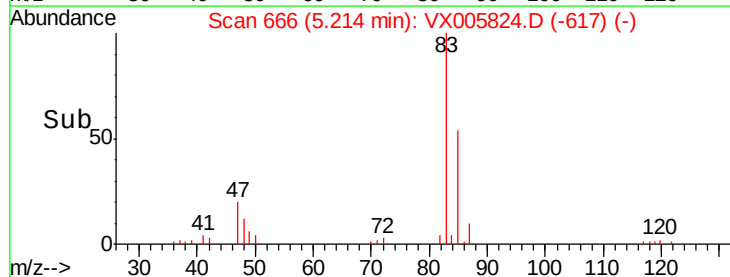
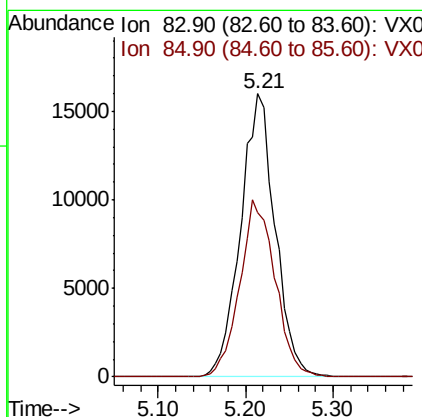
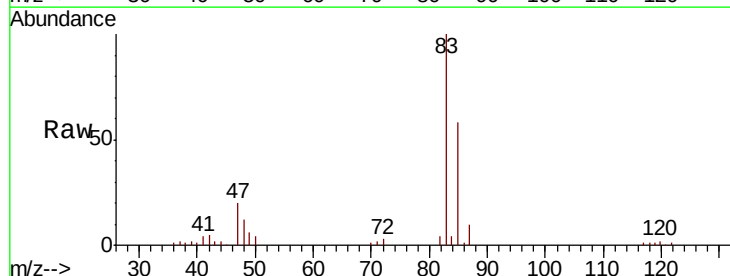
Manual Integrations
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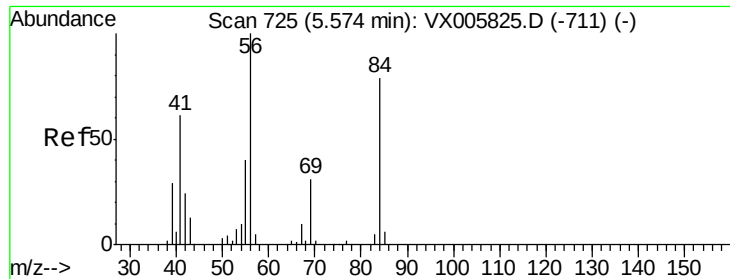
MMDadoda
11/8/2018 10:35:24 AM



#30
Chloroform
Concen: 15.078 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.1	50.6	76.0





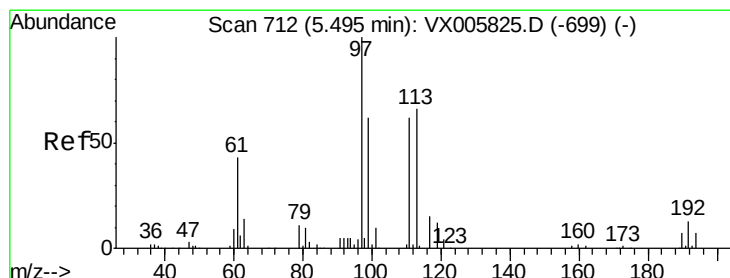
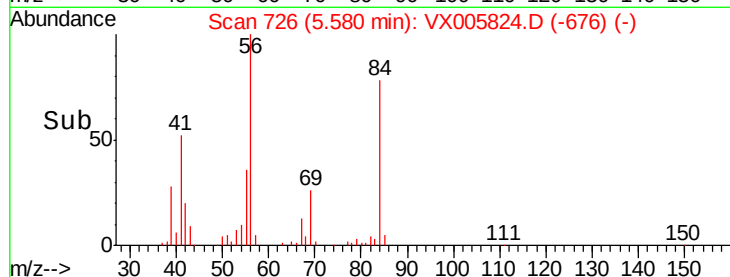
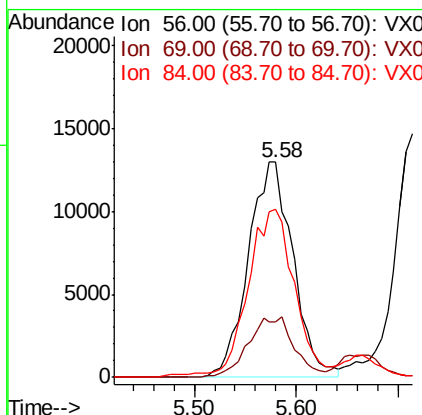
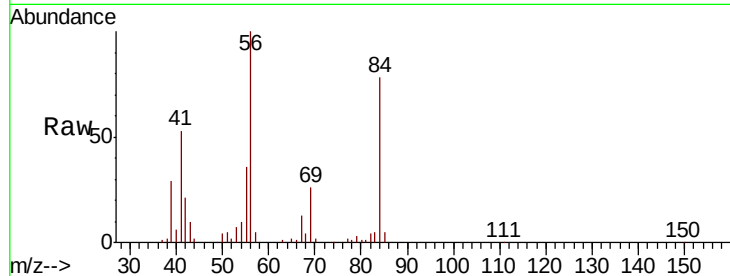
#31
Cyclohexane
Concen: 15.877 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.9	22.6	34.0
84	76.3	62.7	94.1

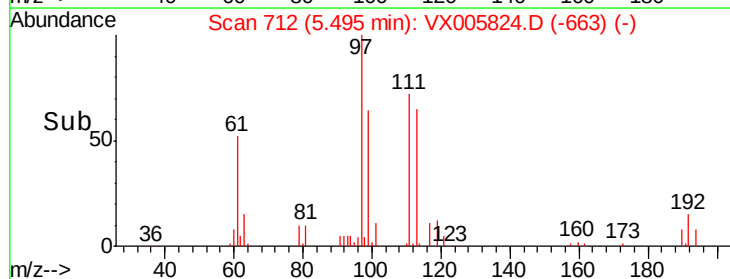
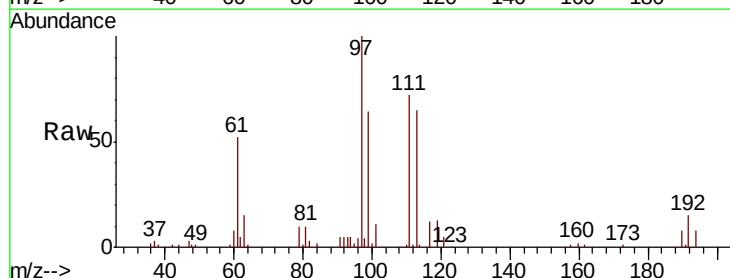
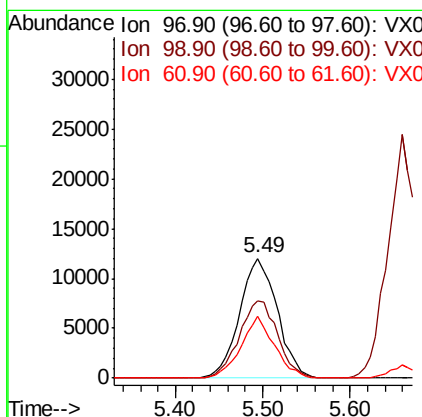
Manual Integrations
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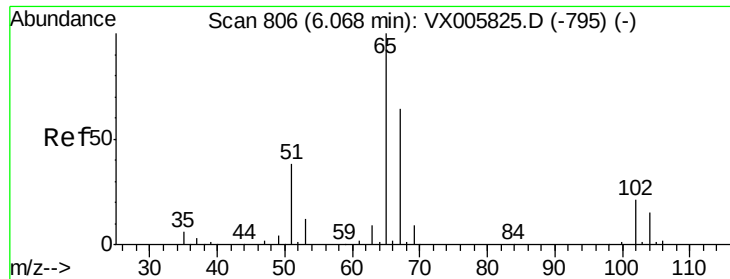
MMDadoda
11/8/2018 10:35:24 AM



#32
1,1,1-Trichloroethane
Concen: 15.454 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.3	78.5
61	45.8	35.2	52.8





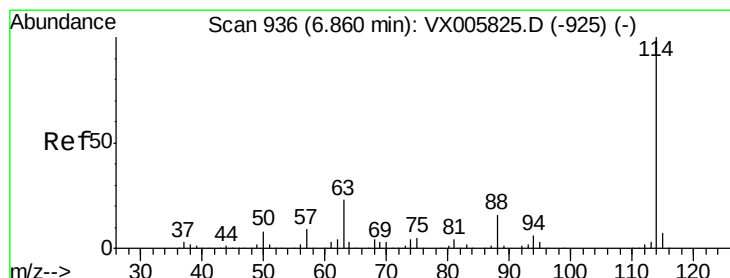
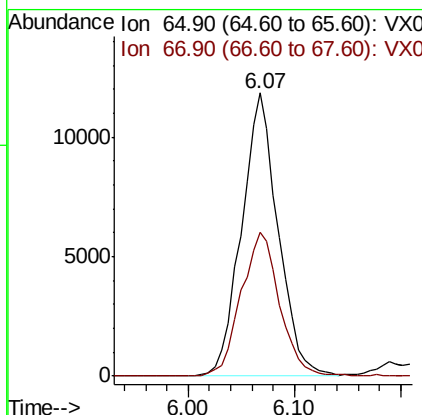
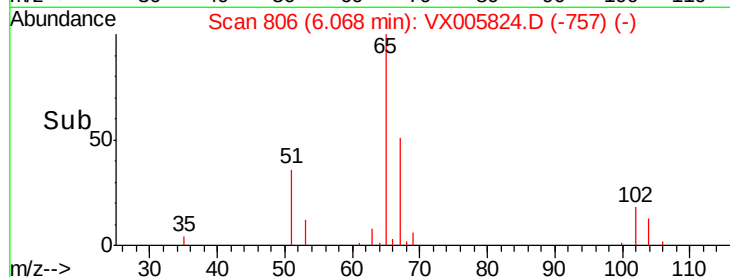
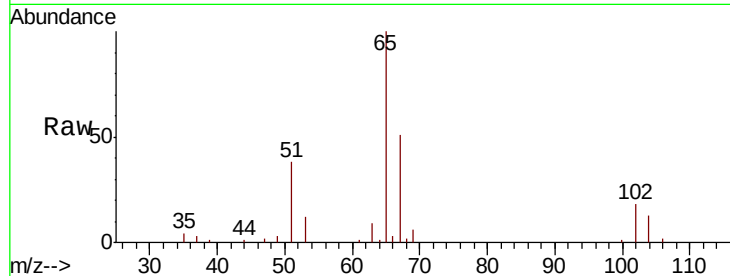
#33
 1,2-Dichloroethane-d4
 Concen: 15.307 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.0

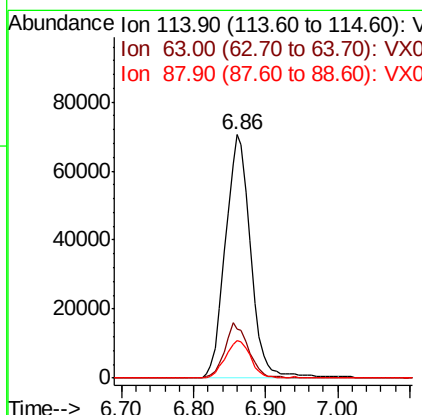
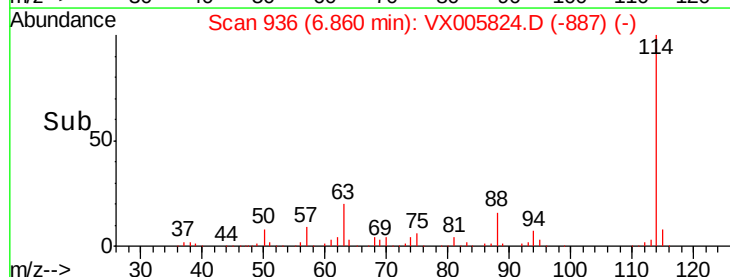
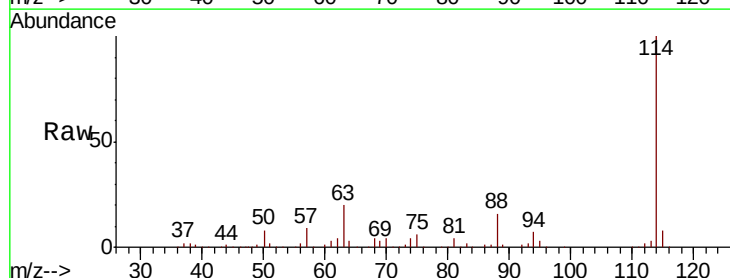
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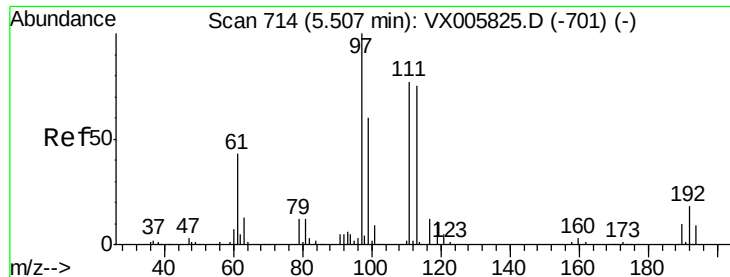
MMDadoda
 11/8/2018 10:35:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.8
88	15.6	0.0	31.2





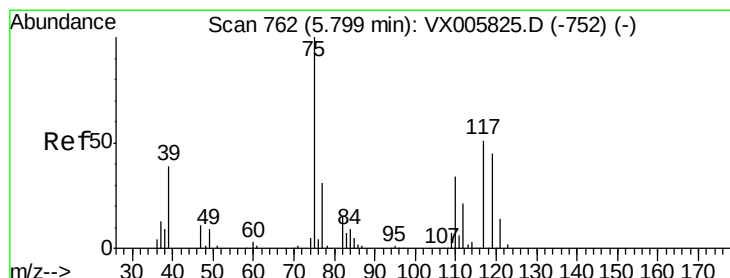
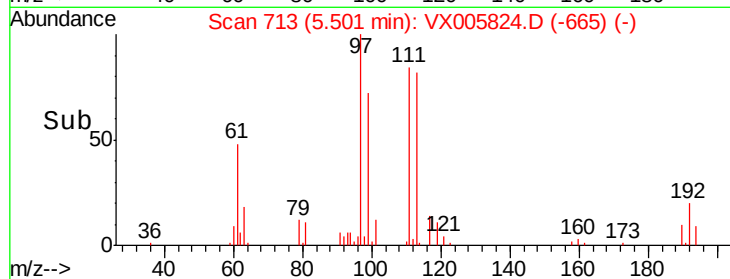
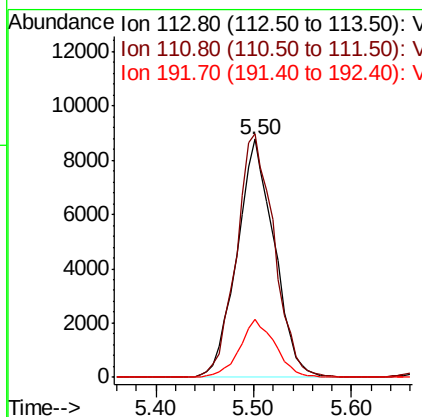
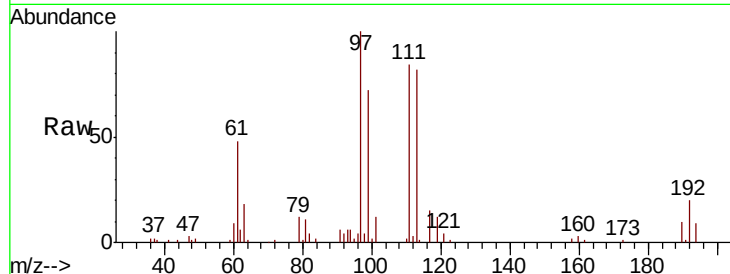
#35
 Dibromofluoromethane
 Concen: 19.402 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	23191		
111	103.4	82.3	123.5	
192	23.2	17.9	26.9	

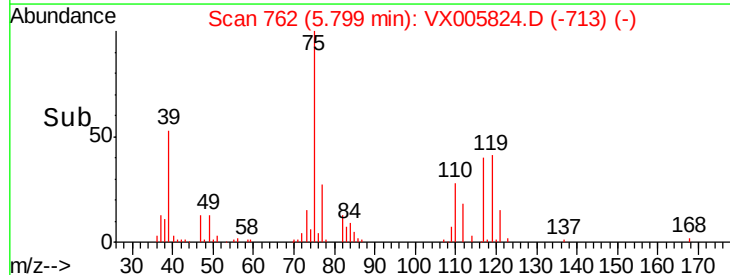
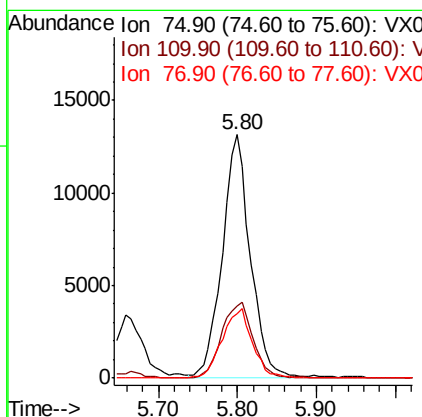
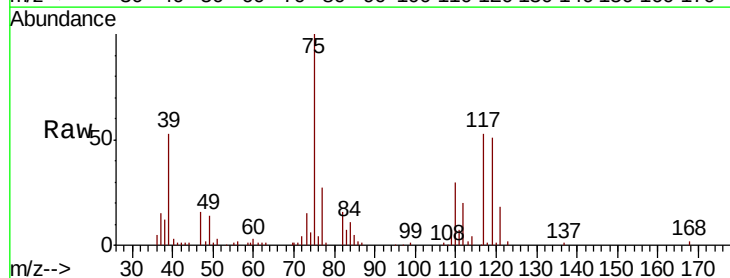
Manual Integrations
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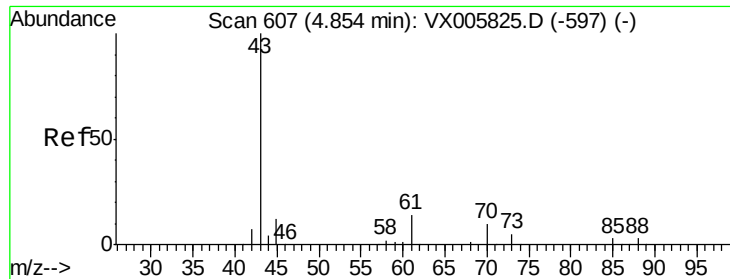
MMDadoda
 11/8/2018 10:35:24 AM



#36
 1,1-Dichloropropene
 Concen: 17.837 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32807		
110	34.4	17.4	52.2	
77	30.6	25.8	38.6	





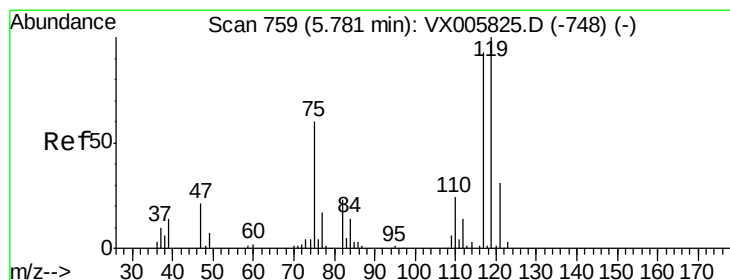
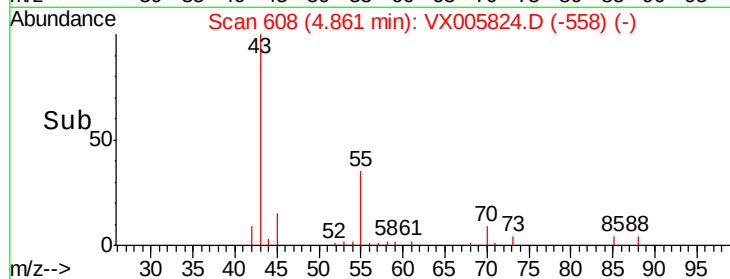
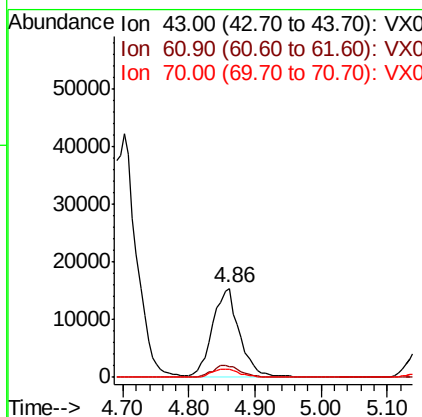
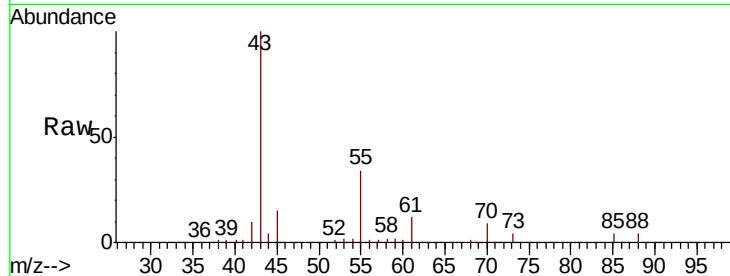
#37
Ethyl Acetate
Concen: 18.500 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.8	16.2
70	9.8	7.8	11.8

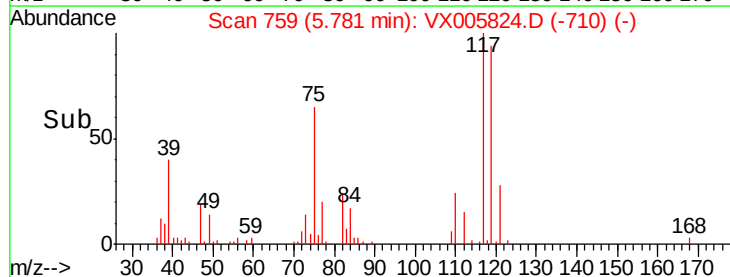
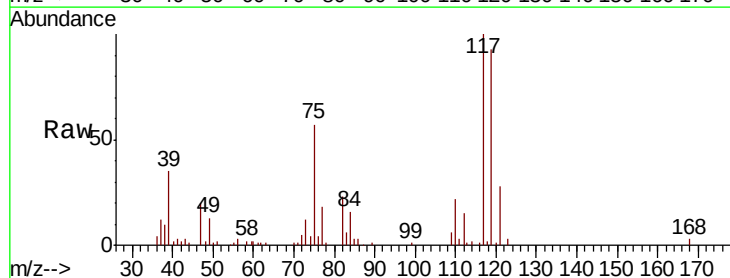
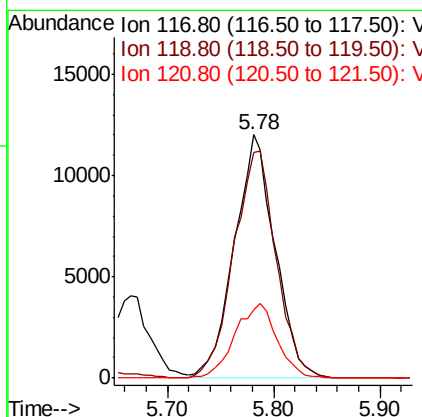
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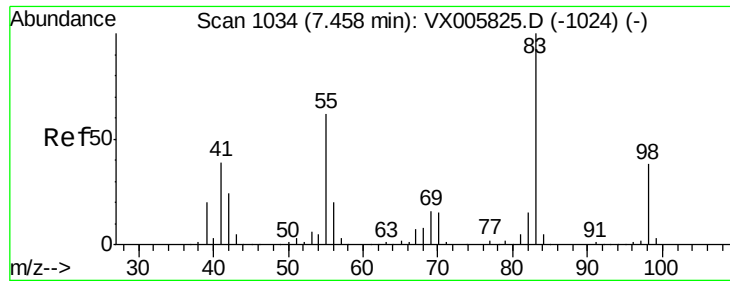
MMDadoda
11/8/2018 10:35:24 AM



#38
Carbon Tetrachloride
Concen: 19.393 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	78.1	117.1
121	28.0	24.6	36.8





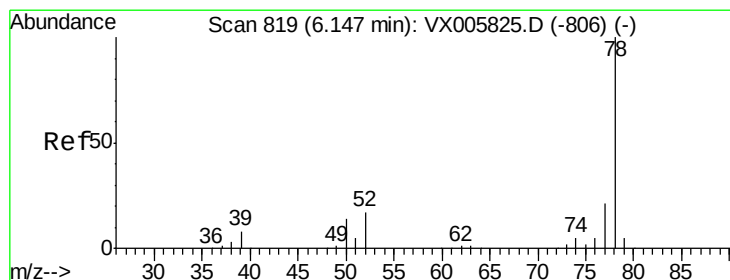
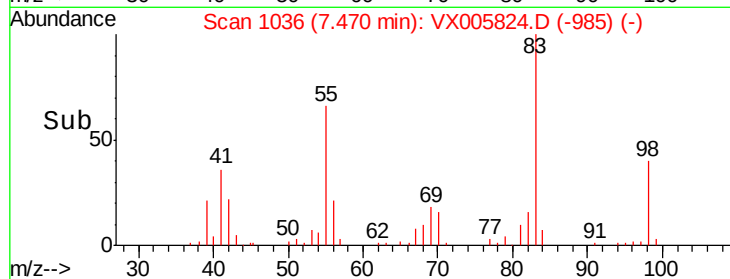
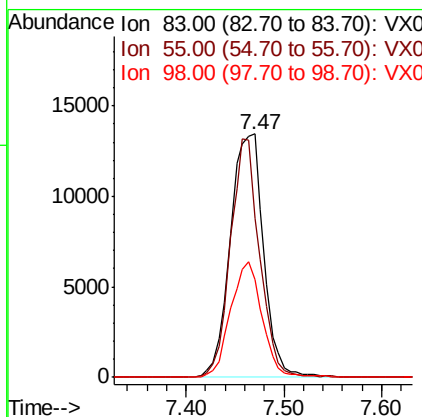
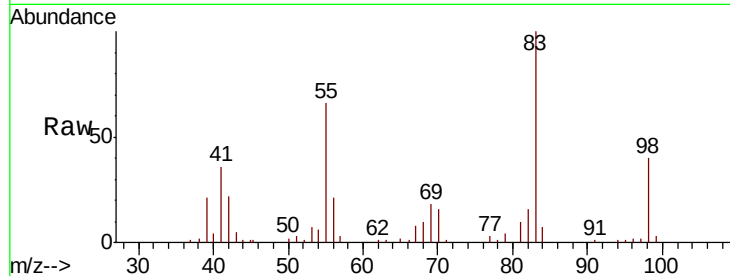
#39
Methylvlcyclohexane
Concen: 16.540 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	31726
Ion Ratio	100	Lower	Upper
83	100		
55	65.6	63.7	95.5
98	40.2	36.2	54.2

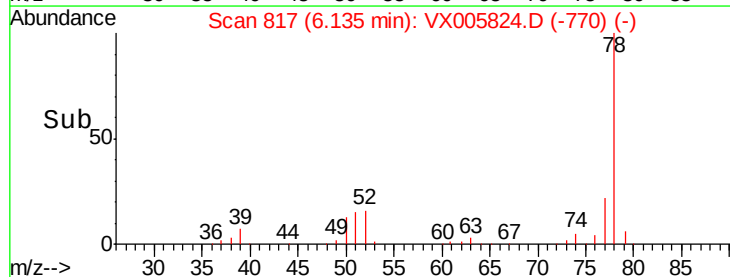
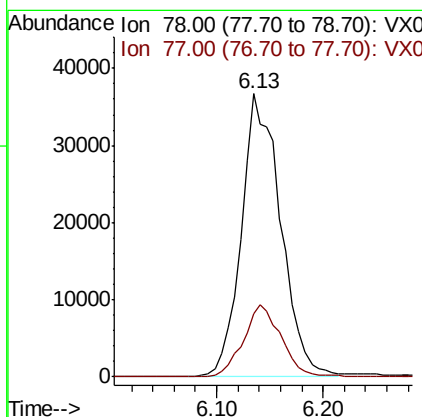
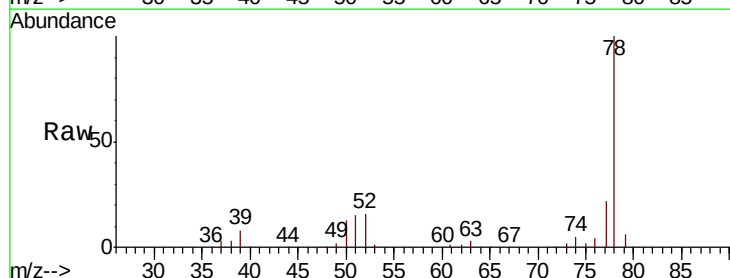
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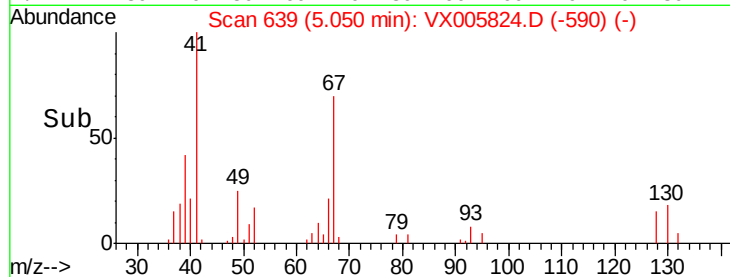
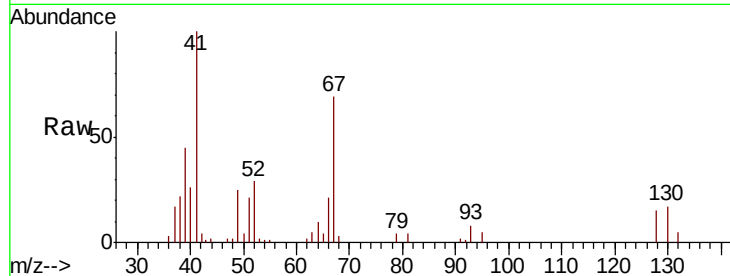
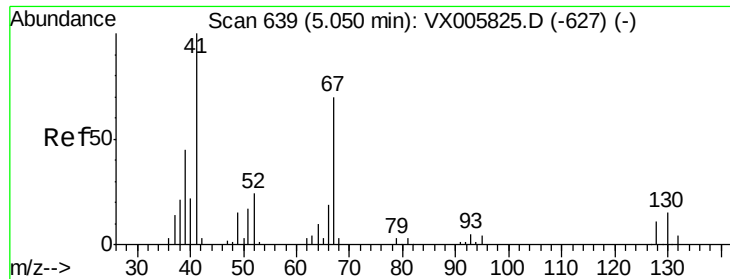
MMDadoda
11/8/2018 10:35:24 AM



#40
Benzene
Concen: 17.357 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	78	Resp	94973
Ion Ratio	100	Lower	Upper
78	100		
77	22.3	18.4	27.6





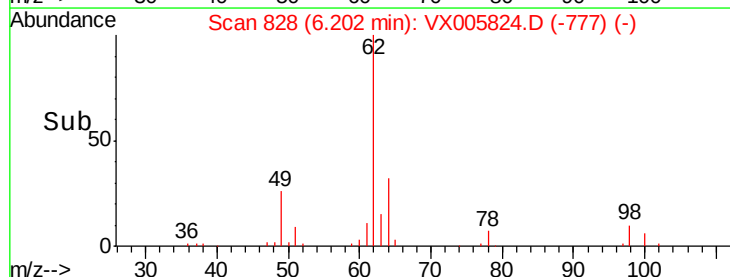
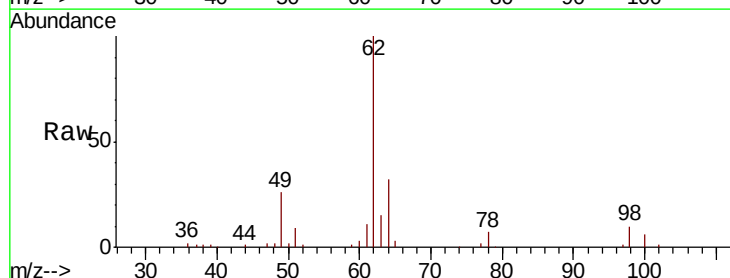
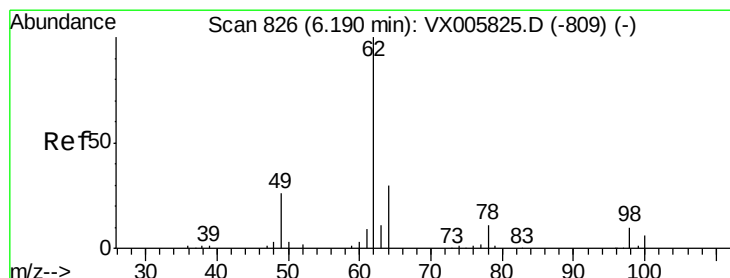
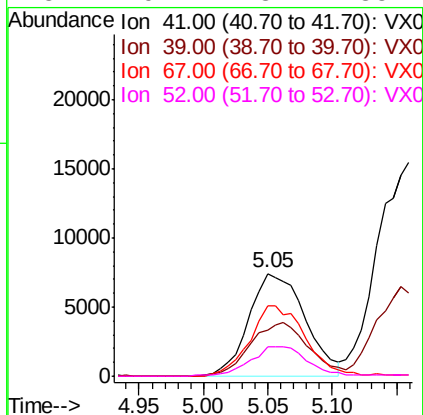
#41
Methacrylonitrile
Concen: 17.808 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	42.2	63.2	
67	67.0	53.4	80.0	
52	29.7	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

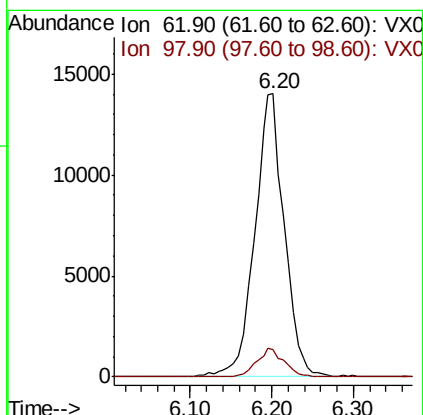
Manual Integrations
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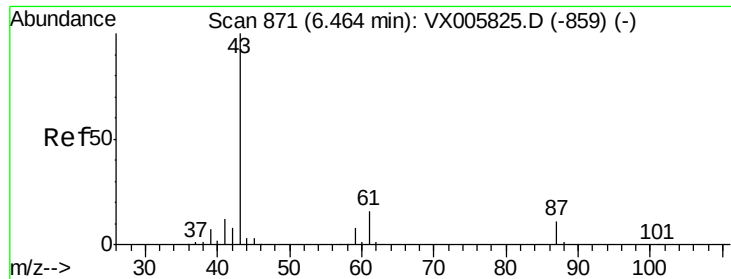
MMDadoda
11/8/2018 10:35:24 AM



#42
1,2-Dichloroethane
Concen: 17.489 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.8	





#43

Isopropyl Acetate

Concen: 18.183 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

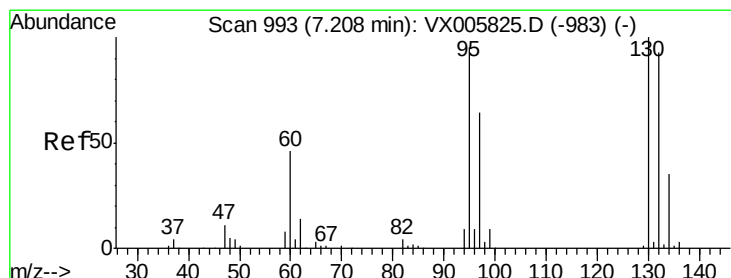
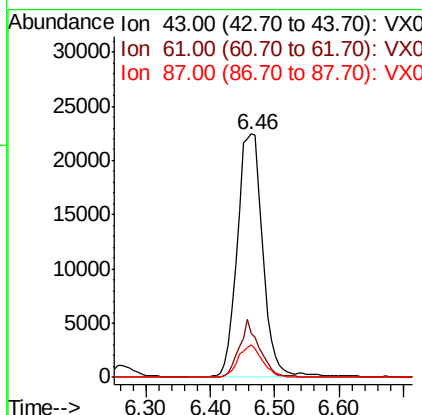
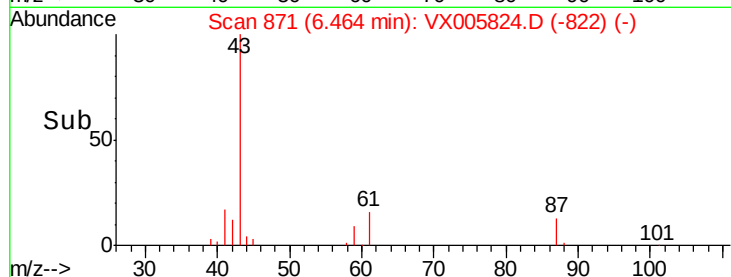
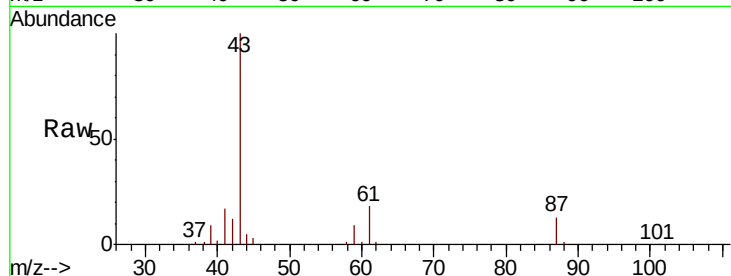
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	61926
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	22.0
87	12.3	9.6	14.4

Manual Integrations
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11/8/2018 10:35:24 AM



#44

Trichloroethene

Concen: 18.295 ug/l

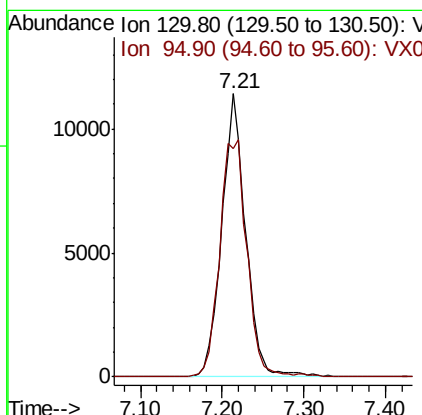
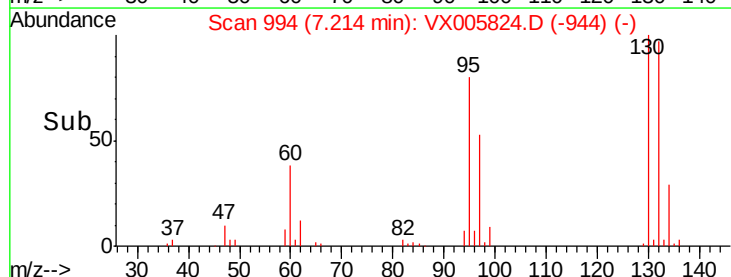
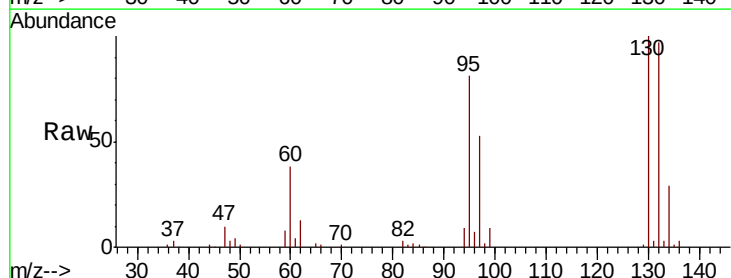
RT: 7.21 min Scan# 994

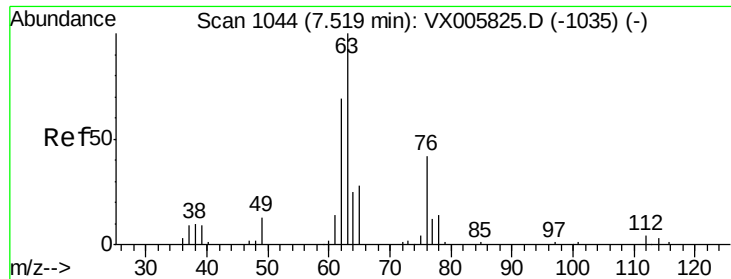
Delta R.T. 0.01 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion:	130	Resp:	23153
Ion	Ratio	Lower	Upper
130	100		
95	80.6	0.0	194.2





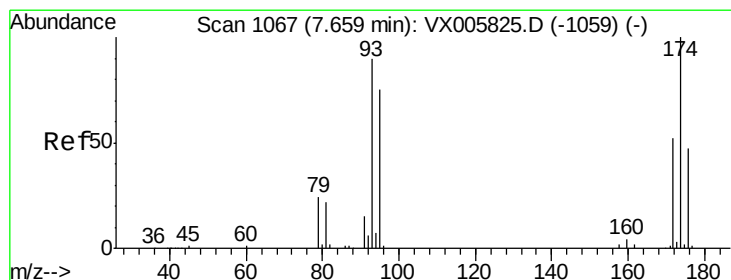
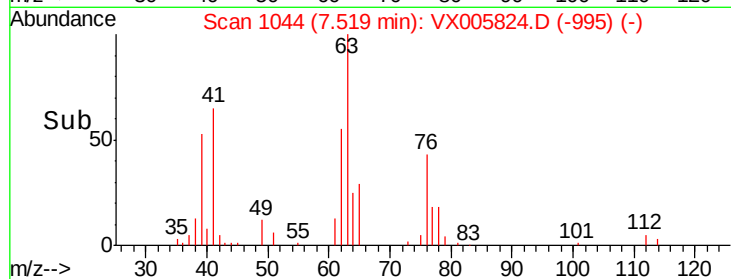
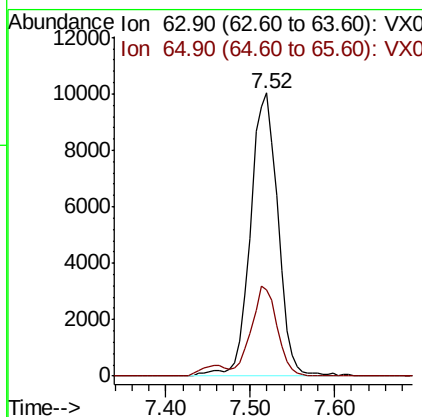
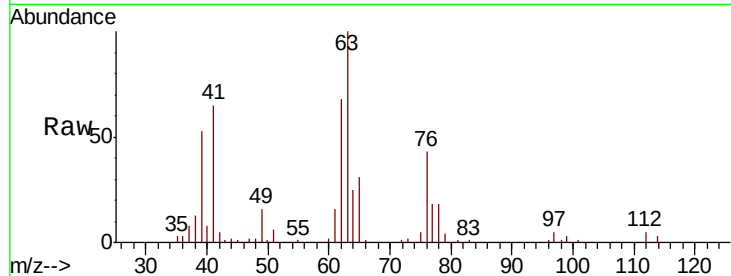
#45
 1,2-Dichloropropane
 Concen: 15.853 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 22229
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.8 37.2

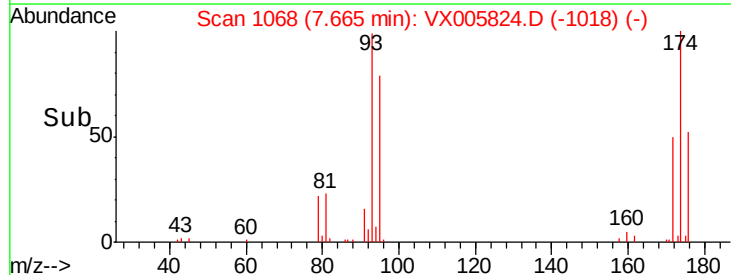
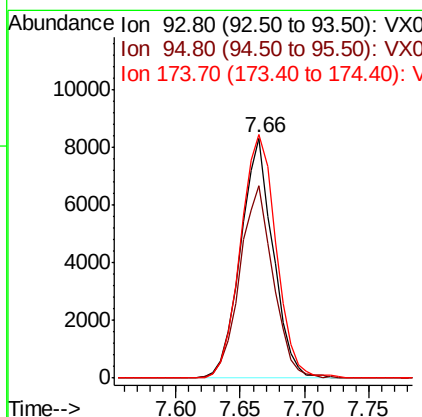
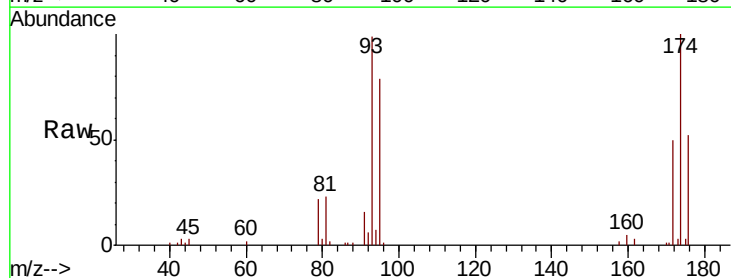
Manual Integrations
 APPROVED

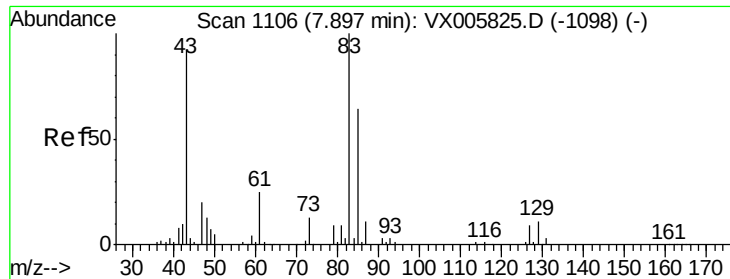
MMDadoda
 11/8/2018 10:35:24 AM



#46
 Dibromomethane
 Concen: 16.178 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Tgt Ion: 93 Resp: 14498
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.4 101.0
 174 111.0 91.5 137.3





#47

Bromodichloromethane

Concen: 15.817 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

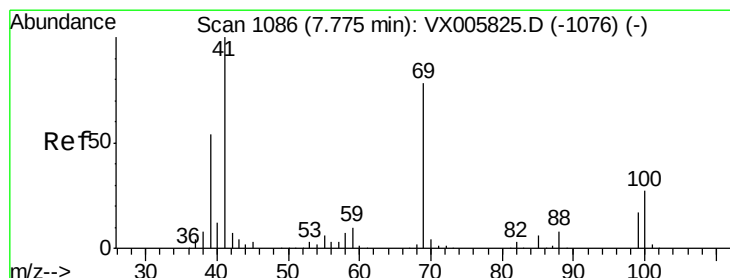
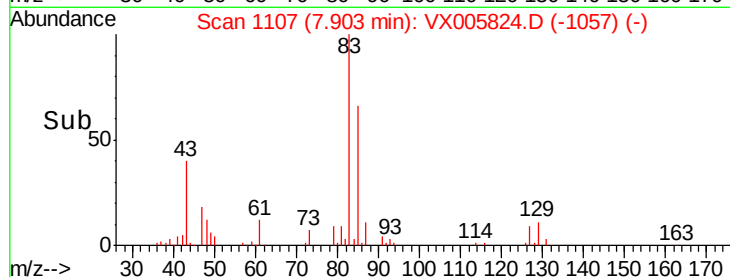
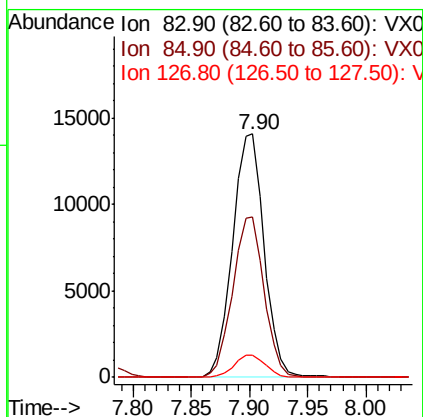
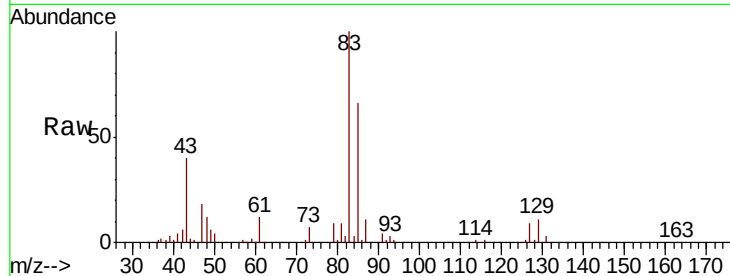
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	26587
Ion Ratio	Lower	Upper	
83	100		
85	65.8	50.2	75.4
127	9.0	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:24 AM



#48

Methyl methacrylate

Concen: 16.019 ug/l

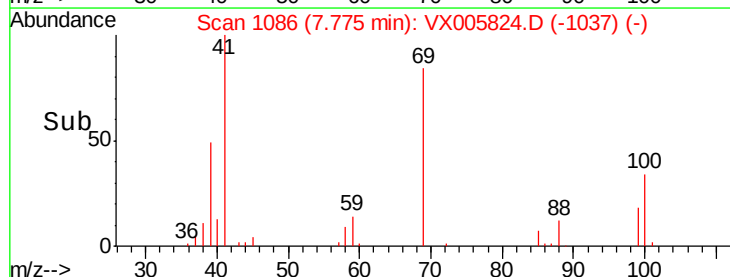
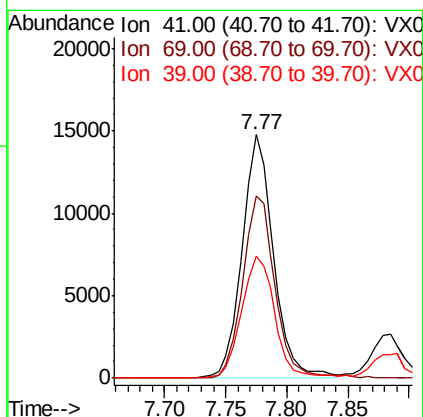
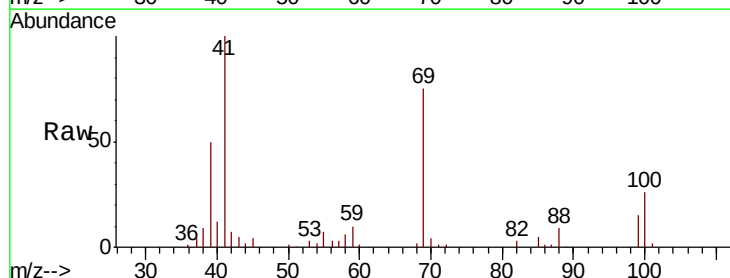
RT: 7.77 min Scan# 1086

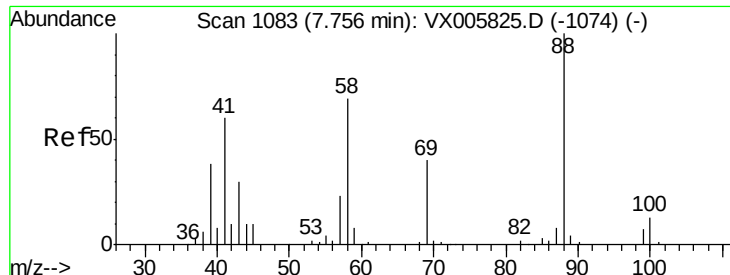
Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion:	41	Resp:	26405
Ion Ratio	Lower	Upper	
41	100		
69	77.3	63.2	94.8
39	53.2	42.2	63.2





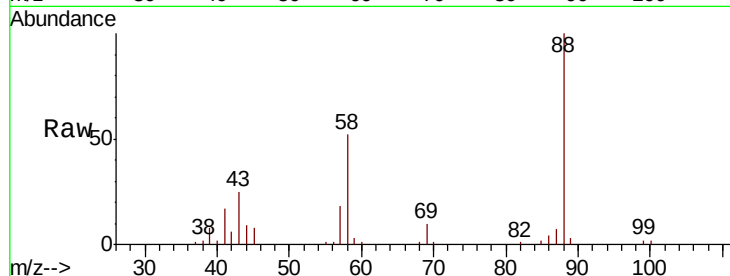
#49
1,4-Dioxane
Concen: 335.919 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.4	41.0
58	68.4	59.4	89.2

Manual Integrations
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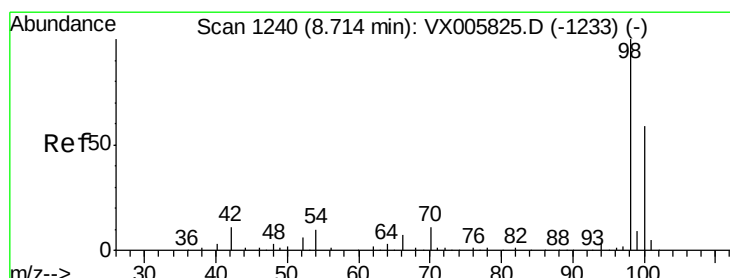
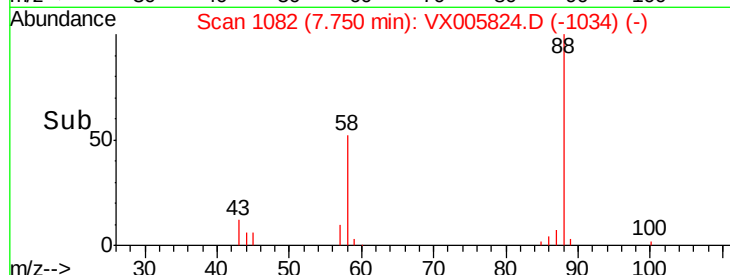
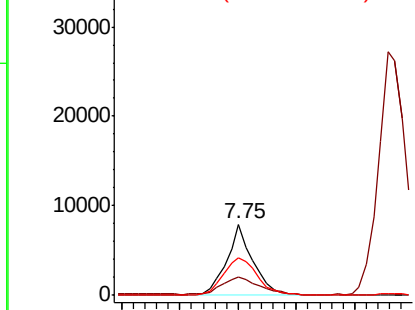


Abundance

Ion 88.00 (87.70 to 88.70): VX0

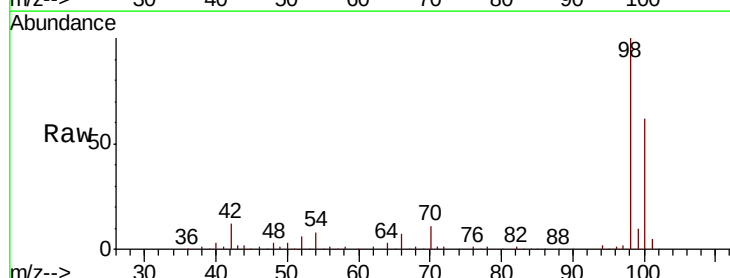
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 18.561 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

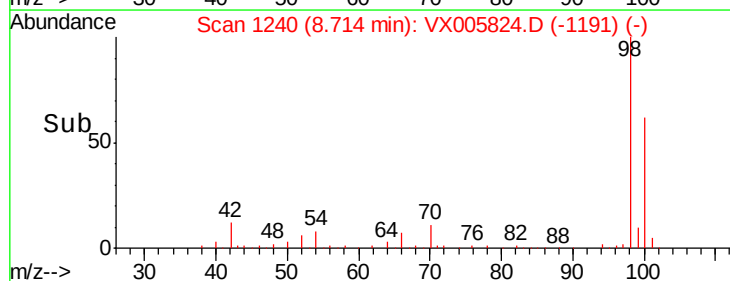
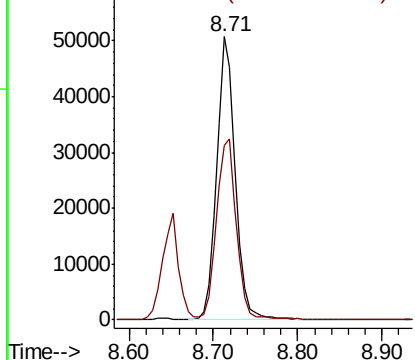
Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	51.3	76.9

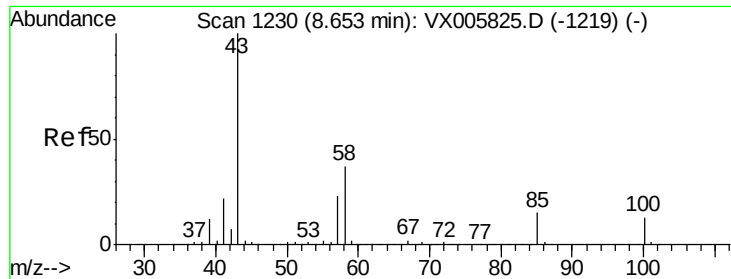


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 92.192 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 214094

Ion Ratio Lower Upper

43 100

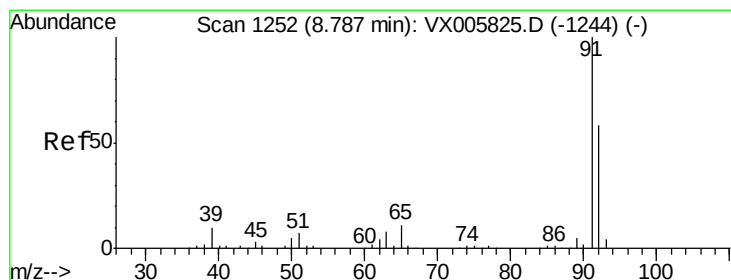
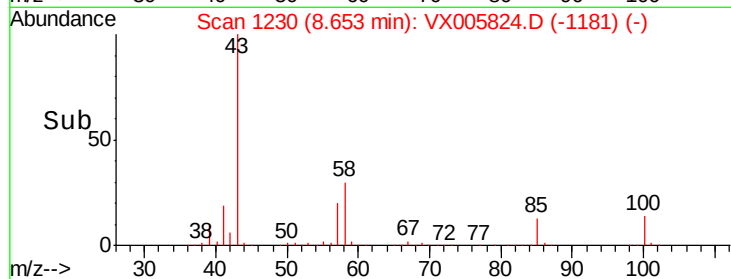
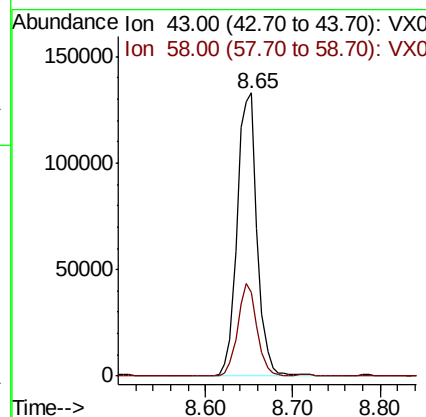
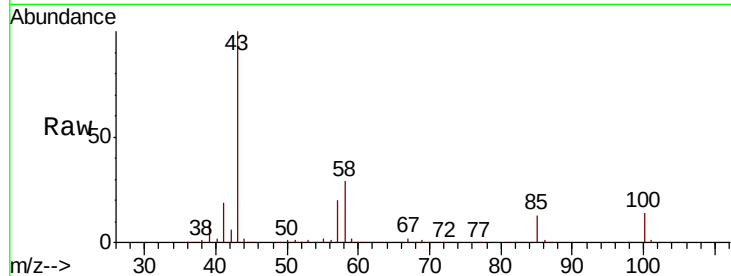
58 31.5 29.7 44.5

Manual Integrations

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#52

Toluene

Concen: 19.834 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005824.D

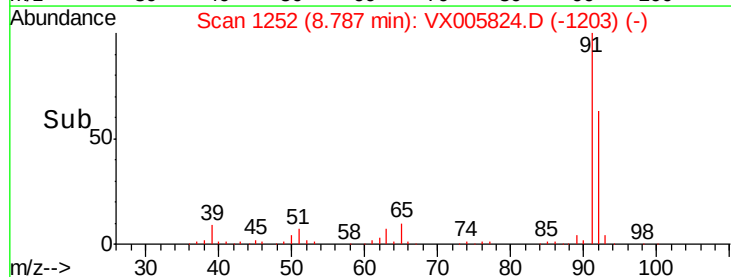
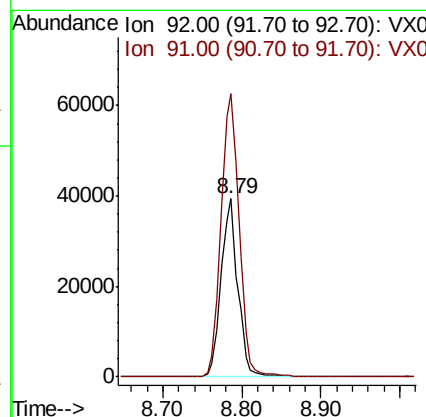
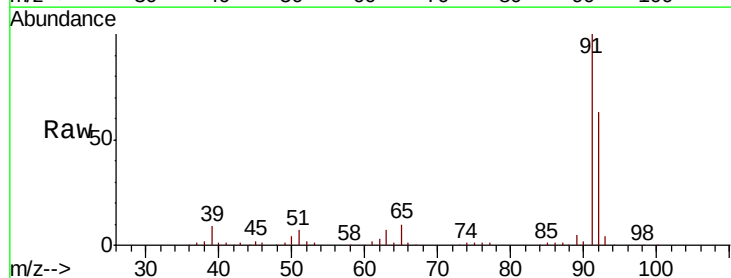
Acq: 07 Nov 2018 12:58

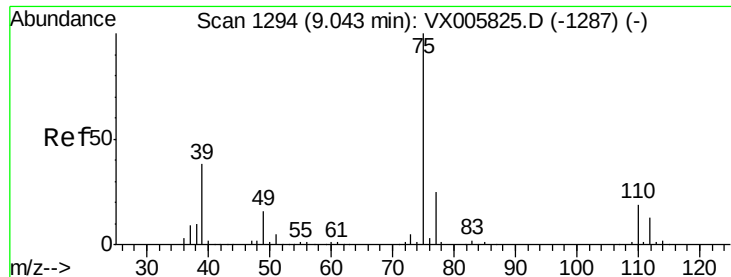
Tgt Ion: 92 Resp: 58702

Ion Ratio Lower Upper

92 100

91 172.1 140.4 210.6





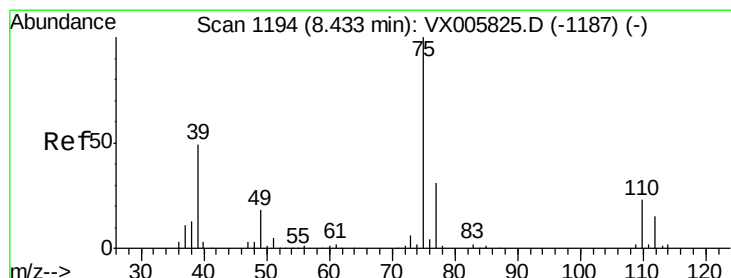
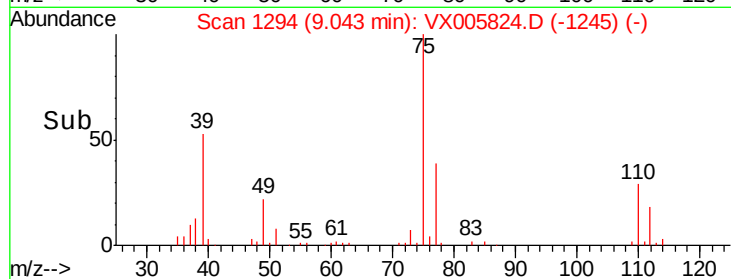
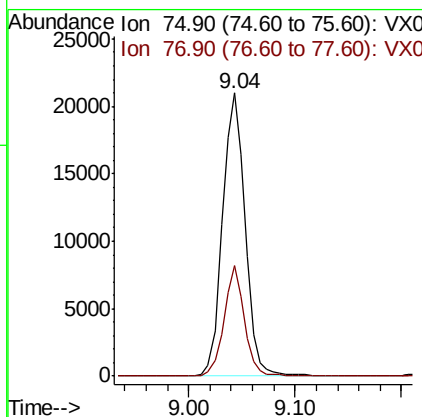
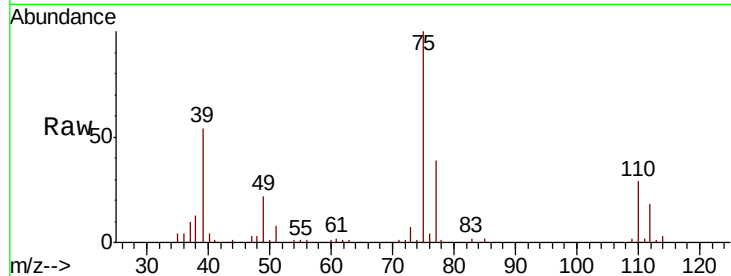
#53
t-1,3-Dichloropropene
Concen: 17.097 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 31145
Ion Ratio Lower Upper
75 100
77 38.9 25.4 38.2#

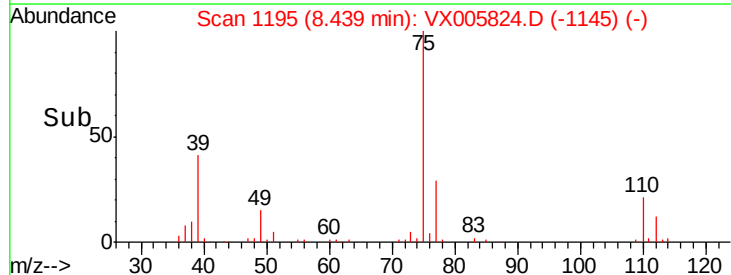
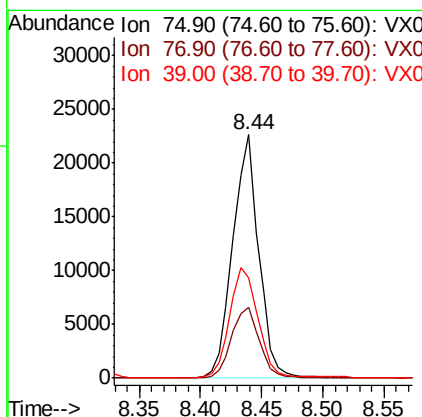
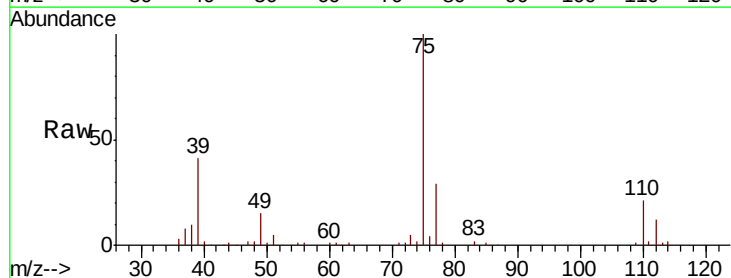
Manual Integrations
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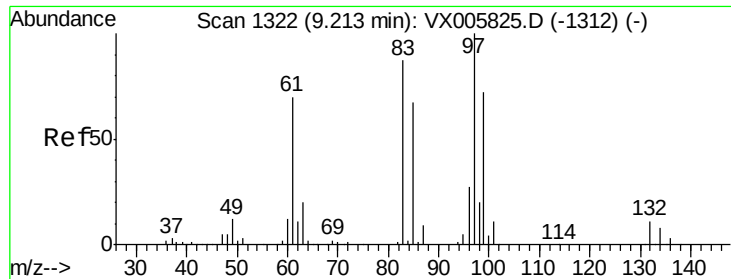
MMDadoda
11/8/2018 10:35:24 AM



#54
cis-1,3-Dichloropropene
Concen: 17.050 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion: 75 Resp: 33276
Ion Ratio Lower Upper
75 100
77 29.2 25.2 37.8
39 41.1 38.2 57.2





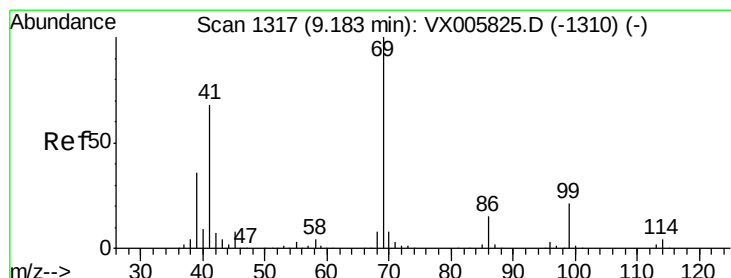
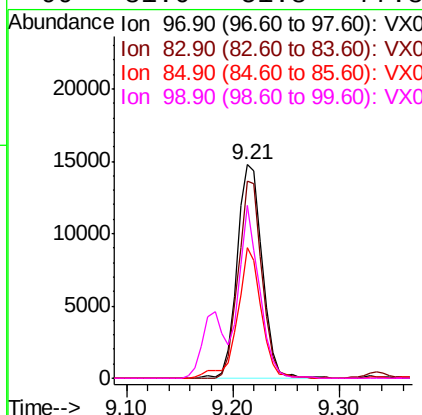
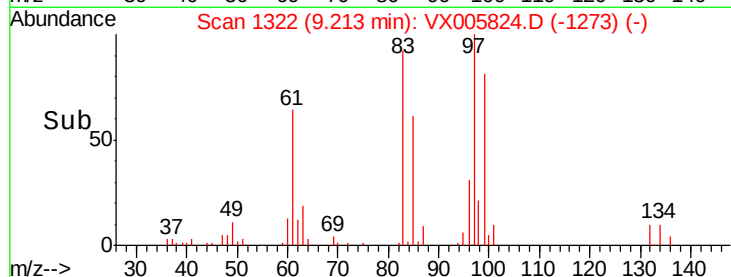
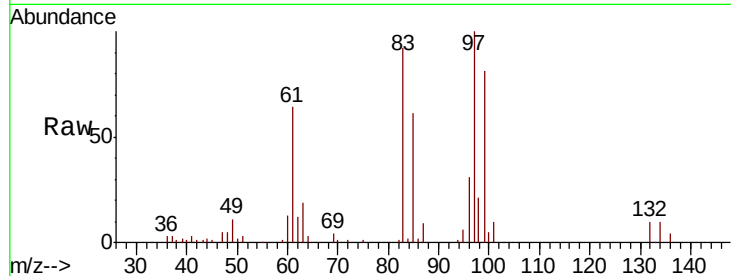
#55
 1,1,2-Trichloroethane
 Concen: 19.019 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.5	70.7	106.1	
85	61.4	45.8	68.6	
99	81.0	51.8	77.8	

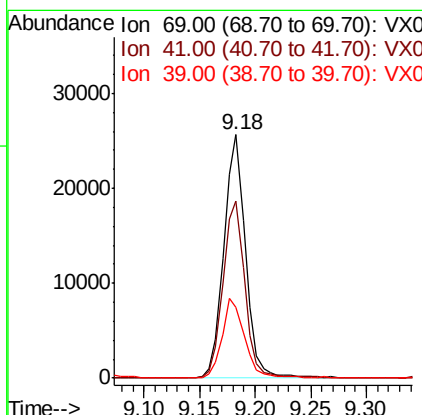
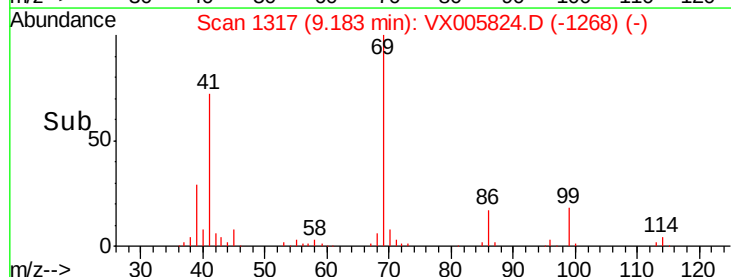
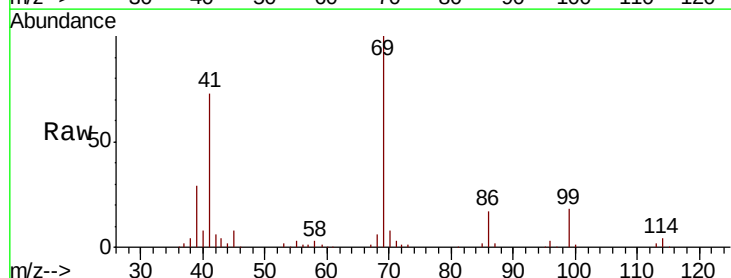
Manual Integrations
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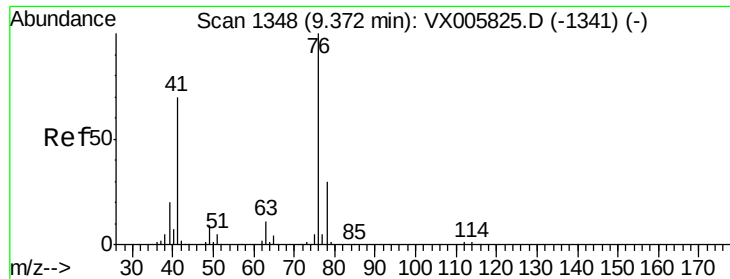
MMDadoda
 11/8/2018 10:35:24 AM



#56
 Ethyl methacrylate
 Concen: 17.822 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	74.2	57.0	85.6	
39	34.6	28.3	42.5	





#57

1,3-Dichloropropane

Concen: 18.812 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 41534

Ion Ratio Lower Upper

76 100

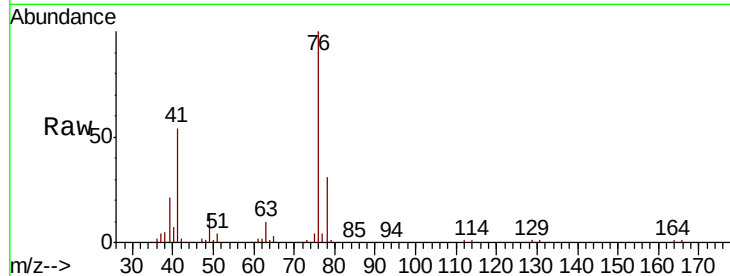
78 31.8 25.3 37.9

Manual Integrations

APPROVED

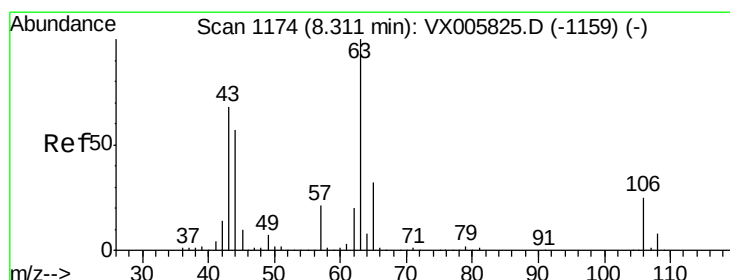
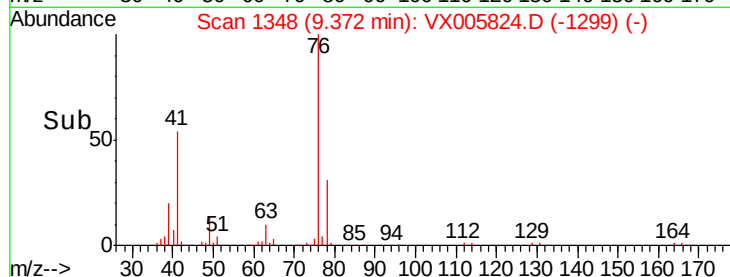
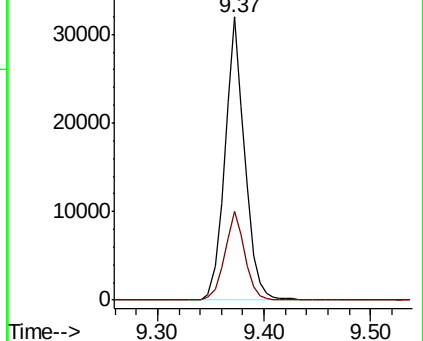
MMDadoda

11/8/2018 10:35:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 83.340 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX005824.D

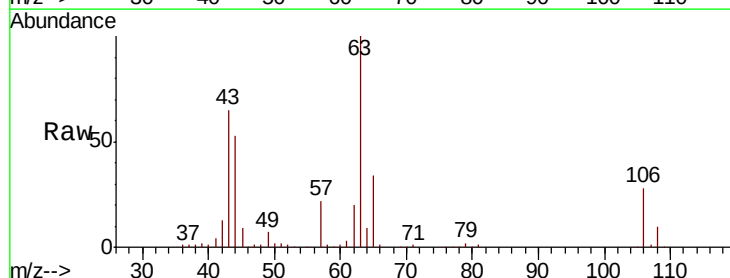
Acq: 07 Nov 2018 12:58

Tgt Ion: 63 Resp: 91458

Ion Ratio Lower Upper

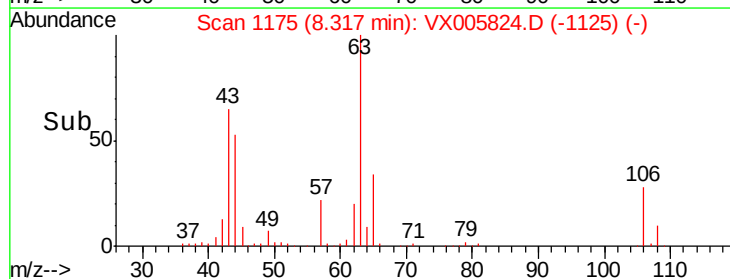
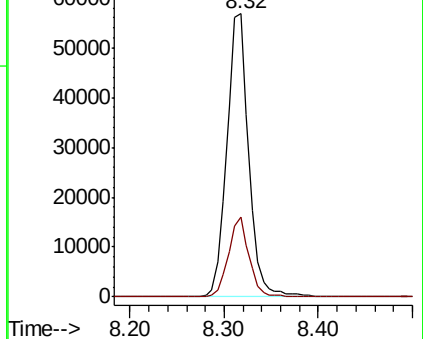
63 100

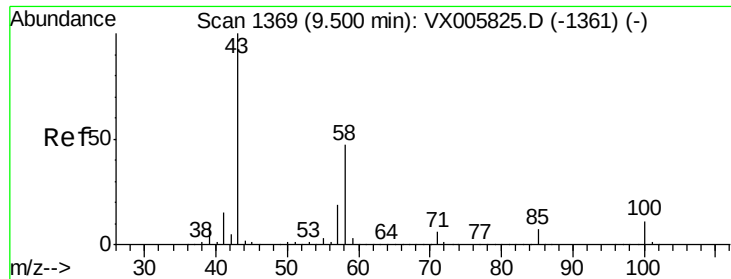
106 26.6 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





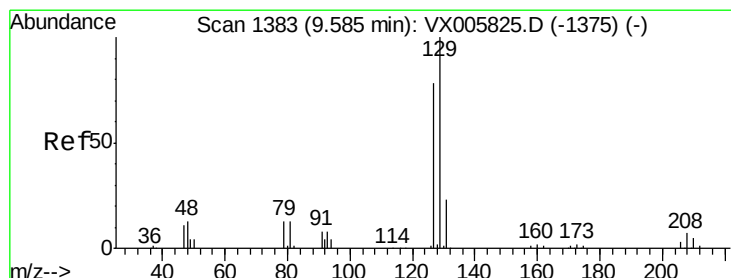
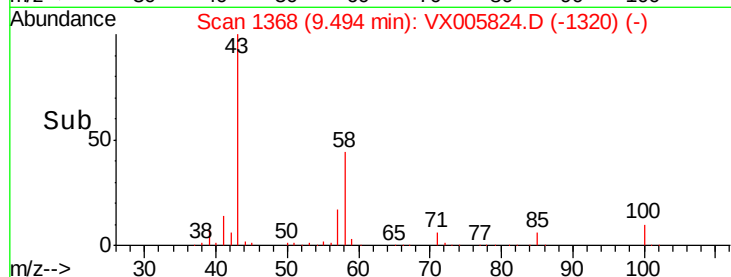
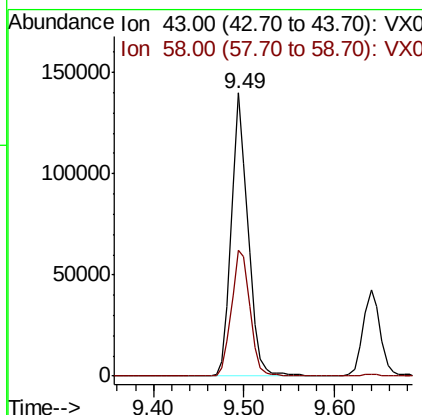
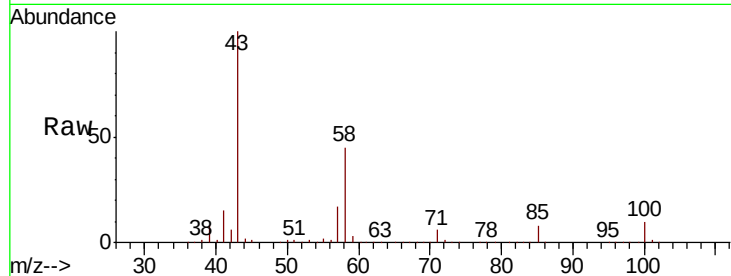
#59
2-Hexanone
Concen: 94.993 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	25.9	77.8

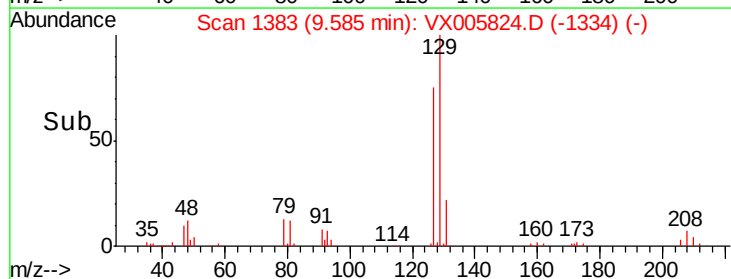
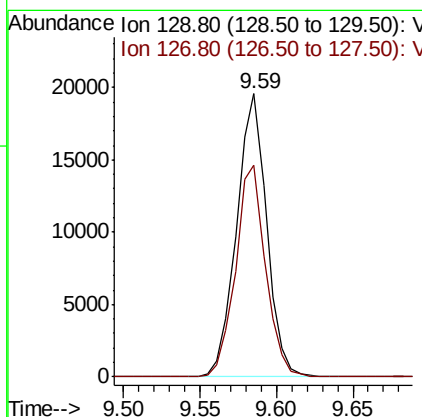
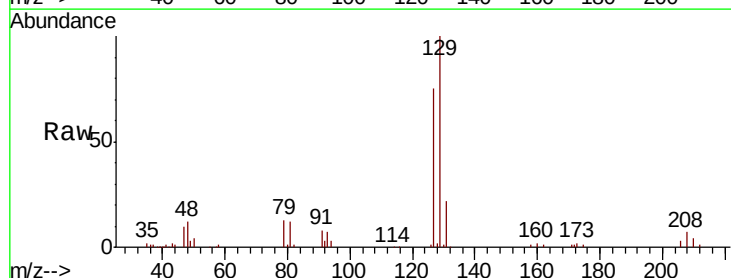
Manual Integrations
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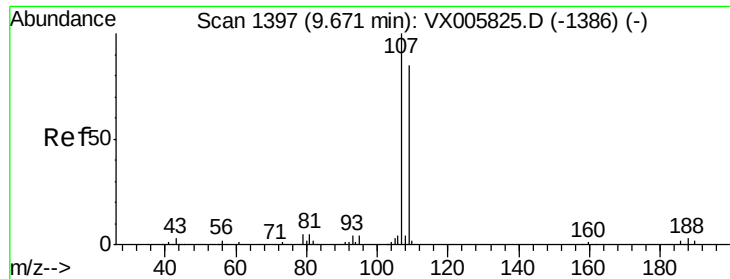
MMDadoda
11/8/2018 10:35:24 AM



#60
Dibromochloromethane
Concen: 21.402 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.9	116.7





#61

1,2-Dibromoethane

Concen: 20.976 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 27473

Ion Ratio Lower Upper

107 100

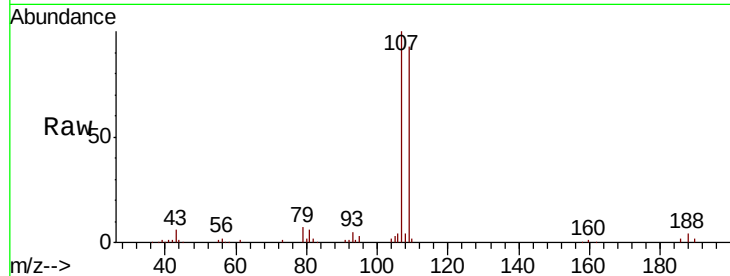
109 95.1 75.7 113.5

Manual Integrations

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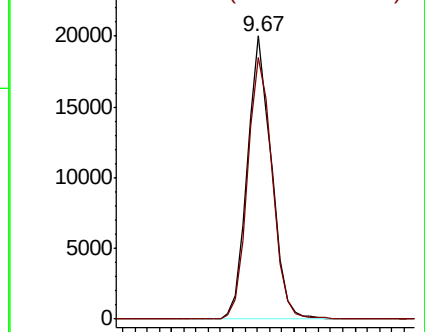
MMDadoda

11/8/2018 10:35:24 AM

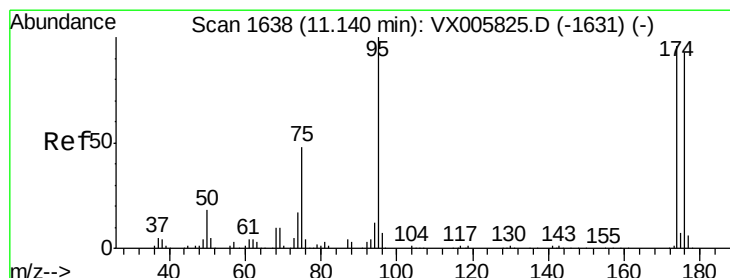
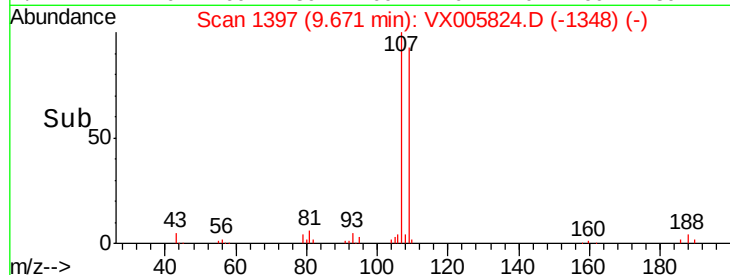


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 16.174 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

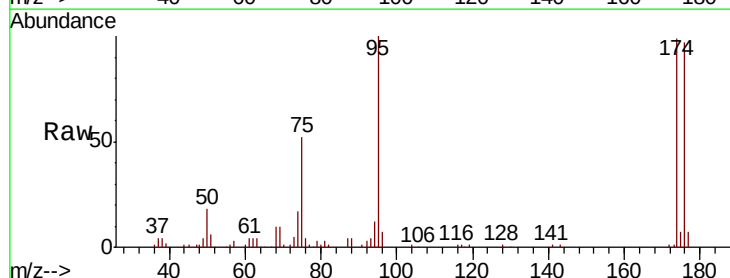
Tgt Ion: 95 Resp: 25025

Ion Ratio Lower Upper

95 100

174 91.9 0.0 184.4

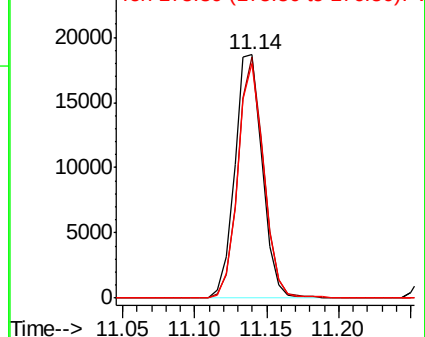
176 90.4 0.0 177.4



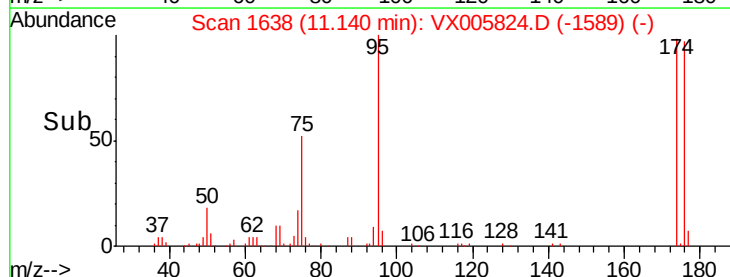
Abundance Ion 94.90 (94.60 to 95.60): VX0

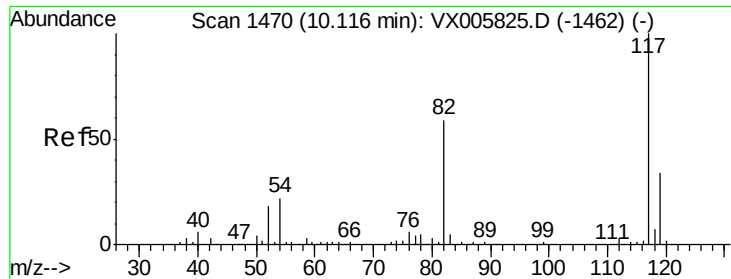
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





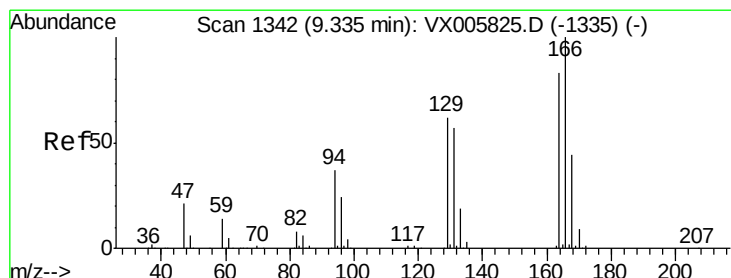
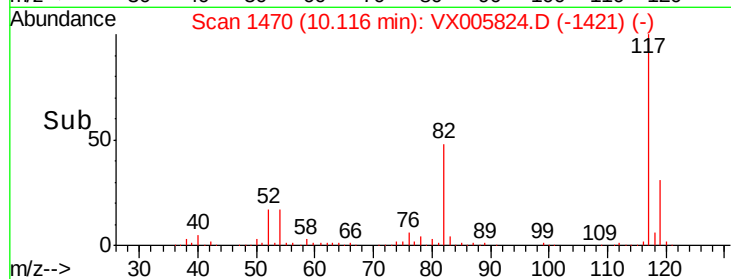
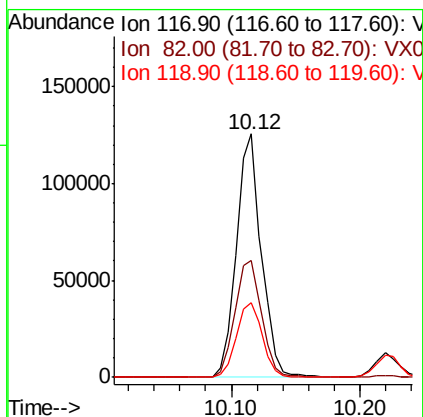
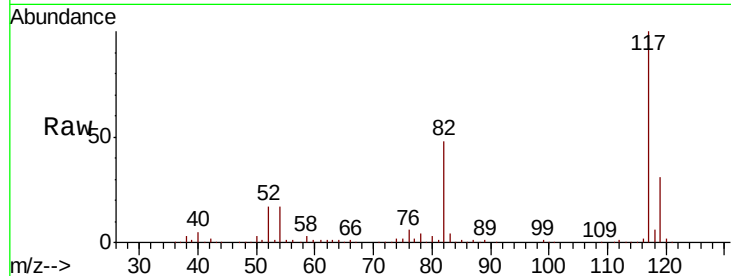
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.3	44.1	66.1
119	30.6	26.2	39.2

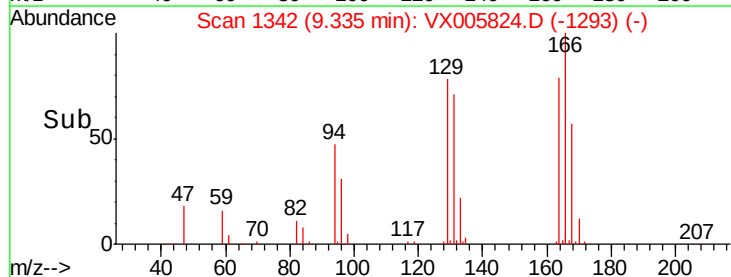
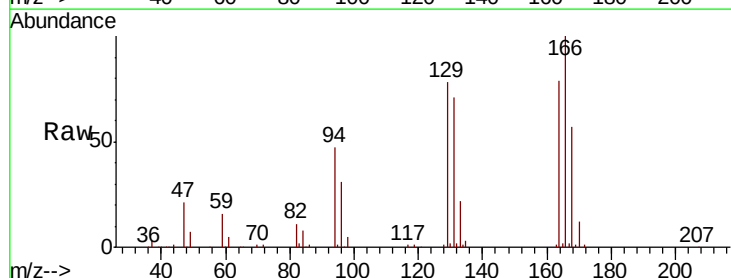
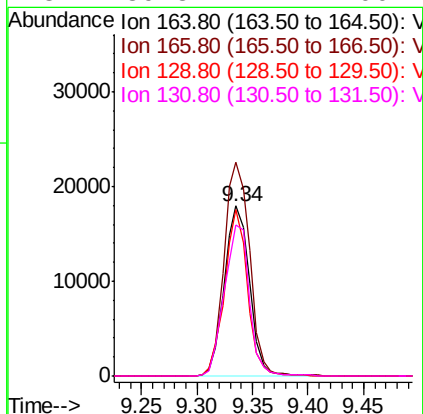
Manual Integrations
APPROVED

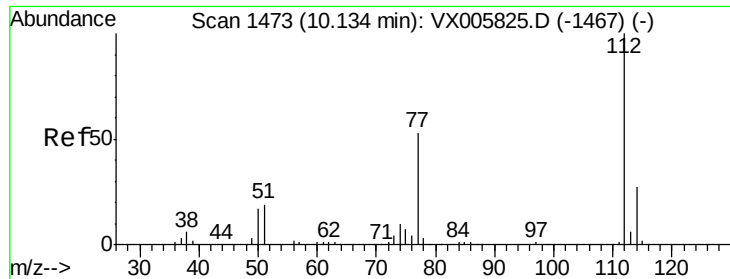
MMDadoda
11/8/2018 10:35:24 AM



#64
Tetrachloroethene
Concen: 22.768 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.9	152.9
129	97.7	72.6	109.0
131	89.3	71.1	106.7





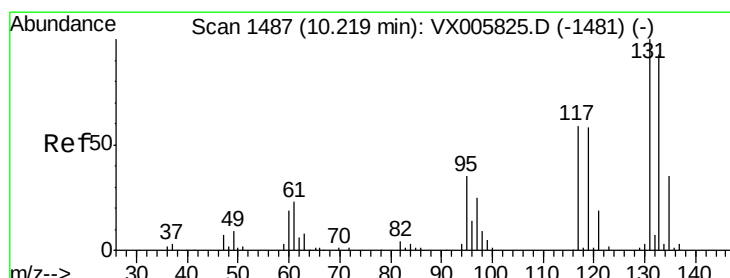
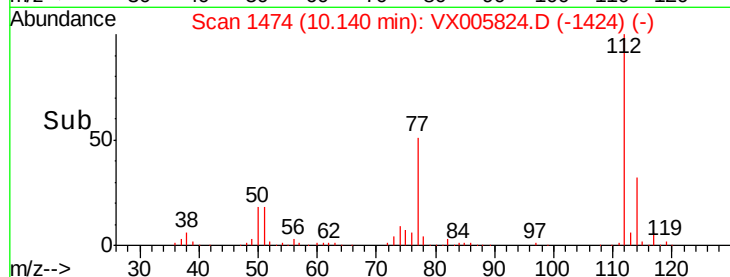
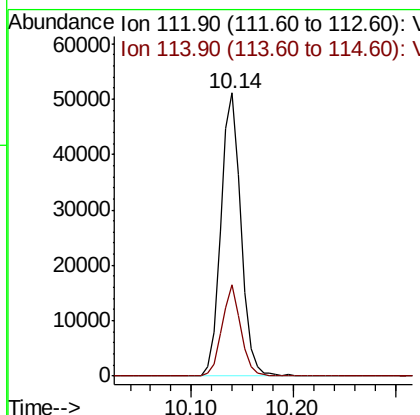
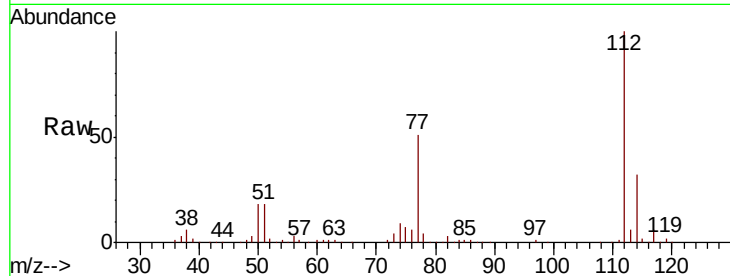
#65
Chlorobenzene
Concen: 19.617 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 70431
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

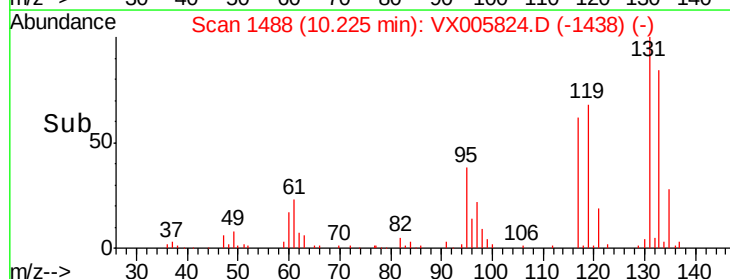
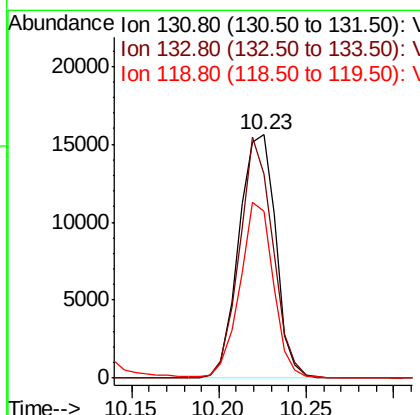
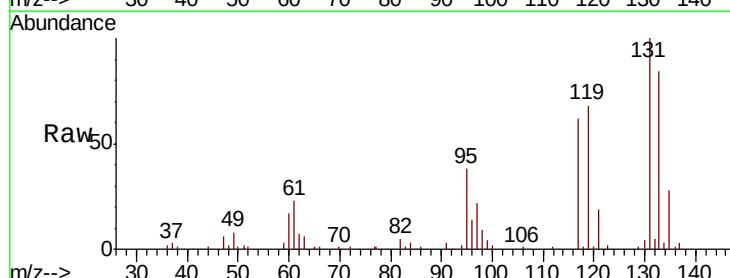
Manual Integrations
APPROVED

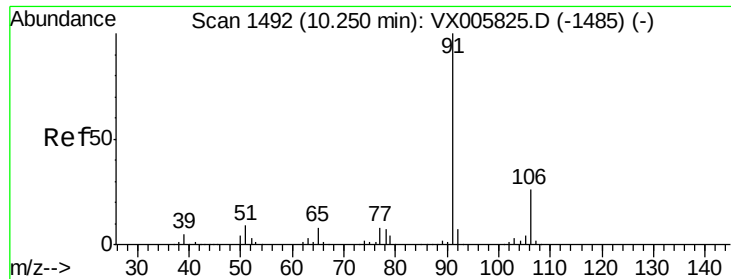
MMDadoda
11/8/2018 10:35:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.569 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion:131 Resp: 22822
Ion Ratio Lower Upper
131 100
133 90.0 47.5 142.5
119 66.2 31.8 95.3





#67

Ethyl Benzene

Concen: 16.741 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 102580

Ion Ratio Lower Upper

91 100

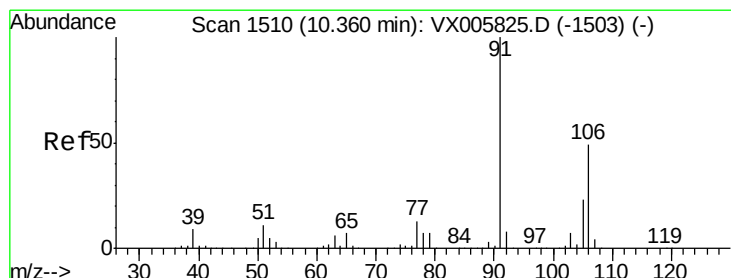
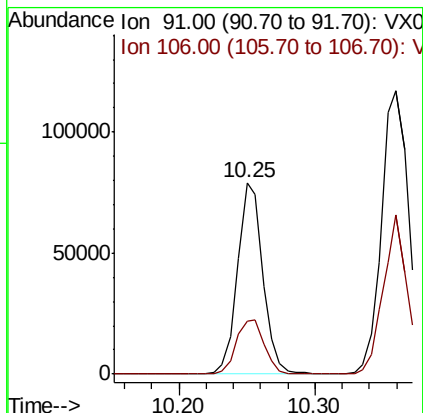
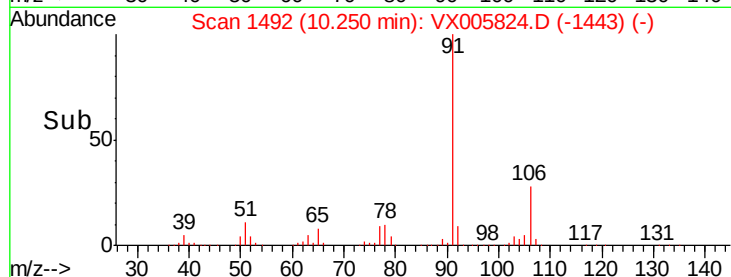
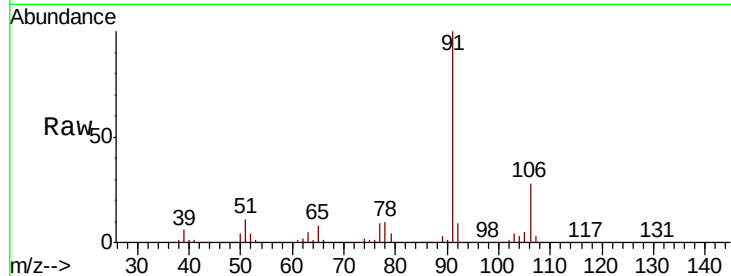
106 27.9 24.4 36.6

Manual Integrations

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MMDadoda

11/8/2018 10:35:24 AM



#68

m/p-Xylenes

Concen: 35.985 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005824.D

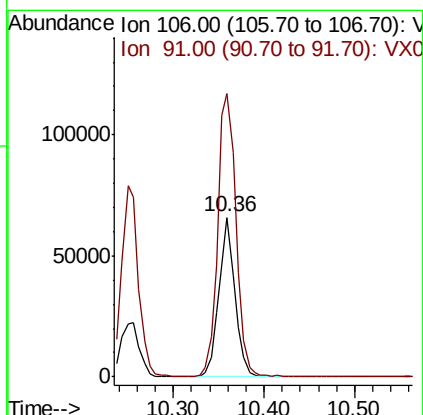
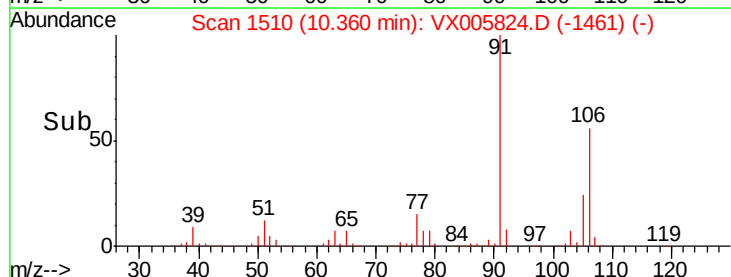
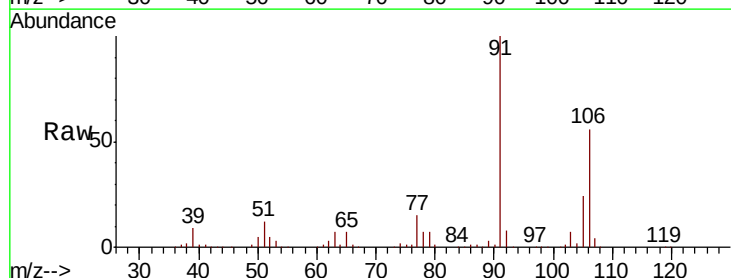
Acq: 07 Nov 2018 12:58

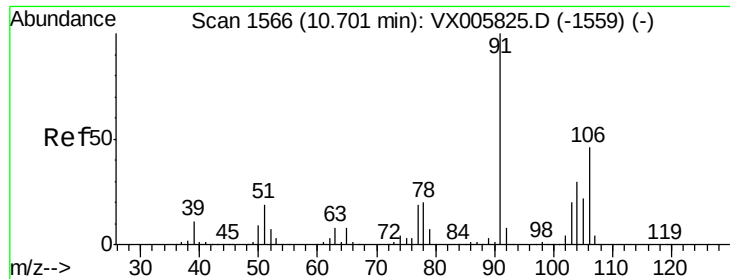
Tgt Ion: 106 Resp: 81933

Ion Ratio Lower Upper

106 100

91 202.5 164.2 246.4





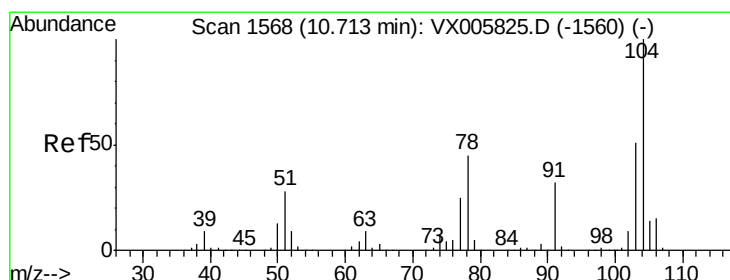
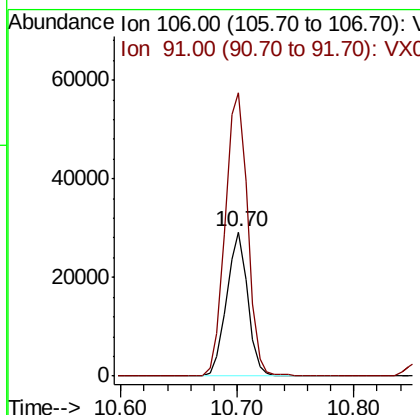
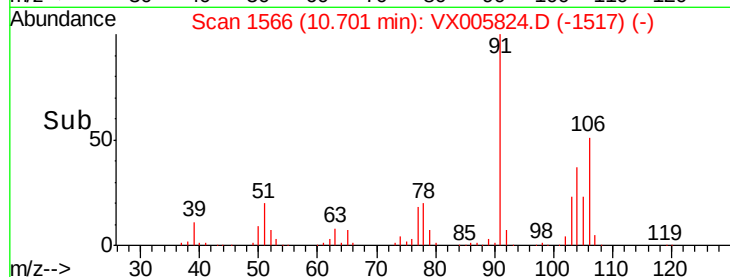
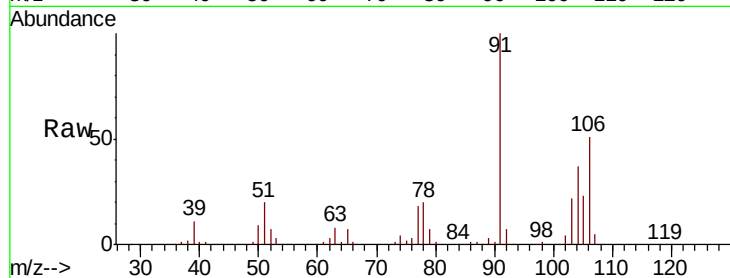
#69
o-Xylene
Concen: 16.839 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 36669
Ion Ratio Lower Upper
106 100
91 209.5 108.5 325.5

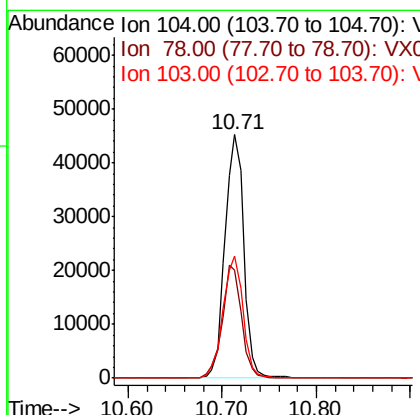
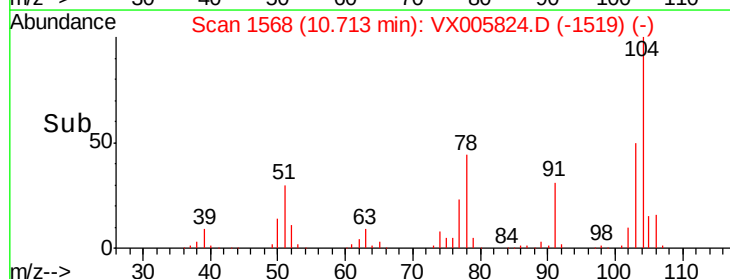
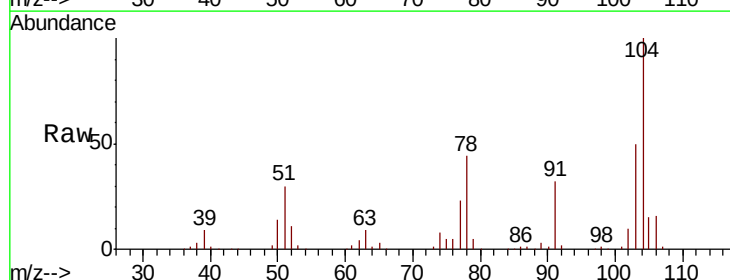
Manual Integrations
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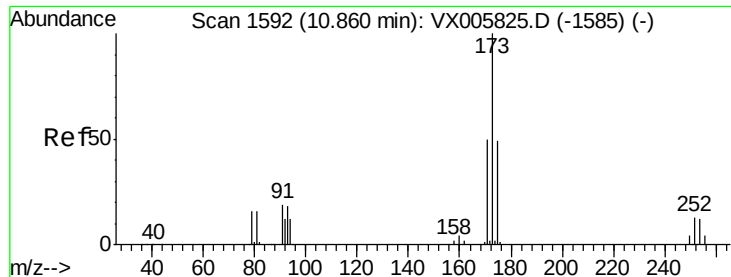
MMDadoda
11/8/2018 10:35:24 AM



#70
Styrene
Concen: 17.423 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion:104 Resp: 63017
Ion Ratio Lower Upper
104 100
78 47.6 40.2 60.4
103 53.4 44.9 67.3





#71

Bromoform

Concen: 17.892 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 17817

Ion Ratio Lower Upper

173 100

175 50.2 24.8 74.3

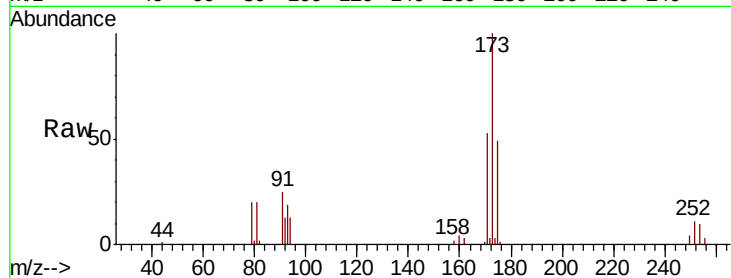
254 0.0 0.2 0.2#

Manual Integrations

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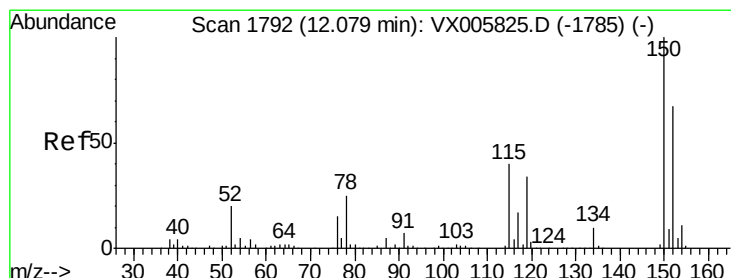
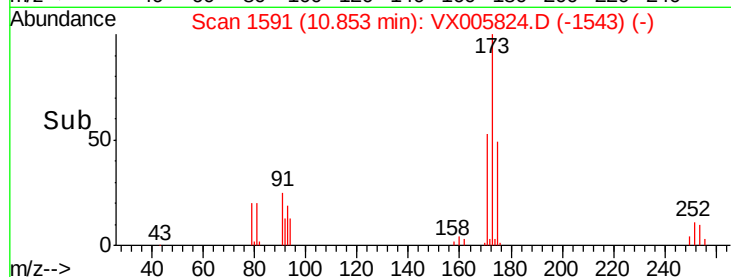
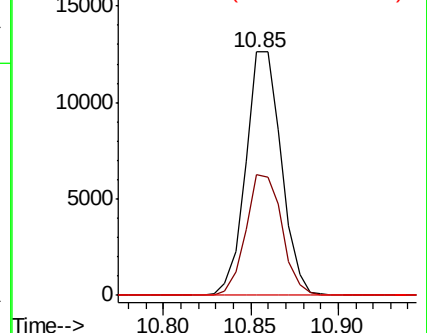
11/8/2018 10:35:24 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

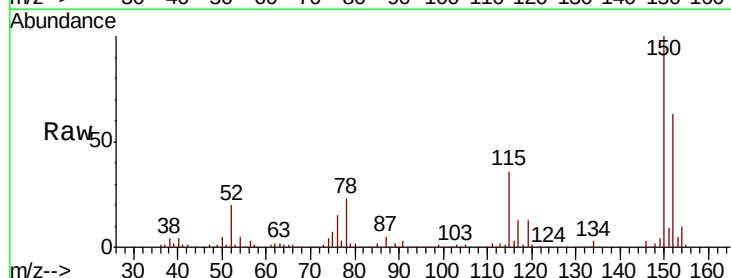
Tgt Ion:152 Resp: 75710

Ion Ratio Lower Upper

152 100

115 64.5 39.4 118.1

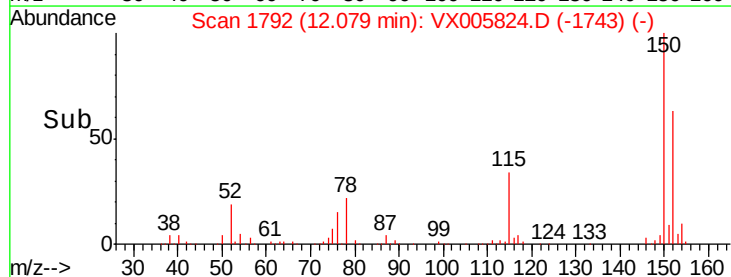
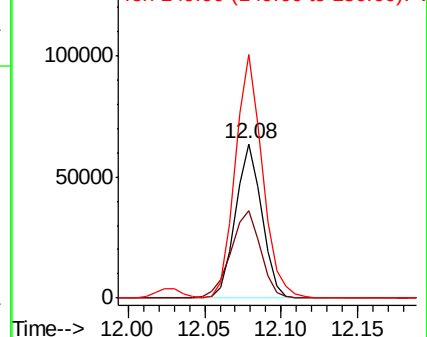
150 163.5 0.0 346.4

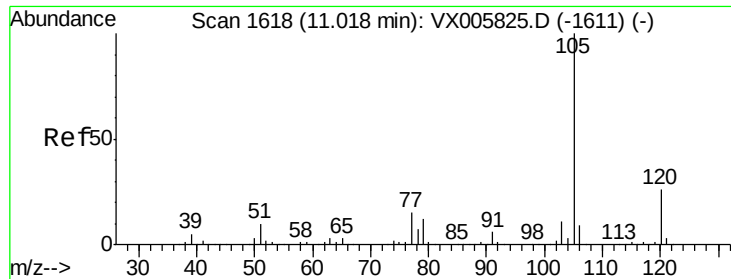


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.804 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 98919

Ion Ratio Lower Upper

105 100

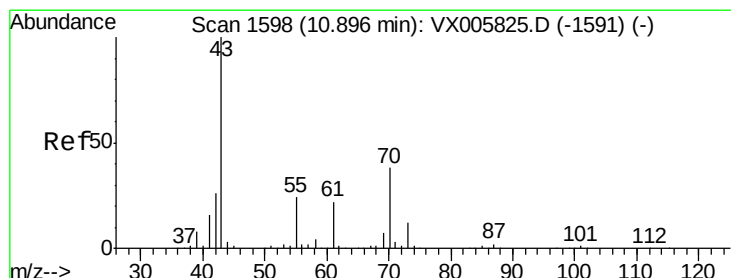
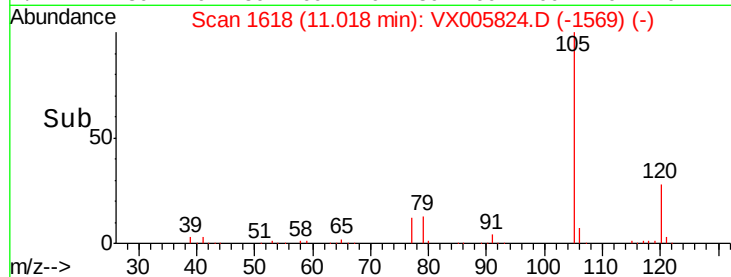
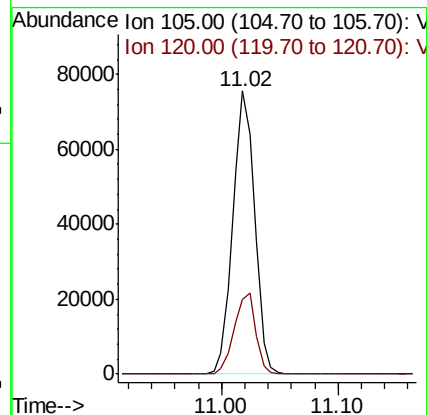
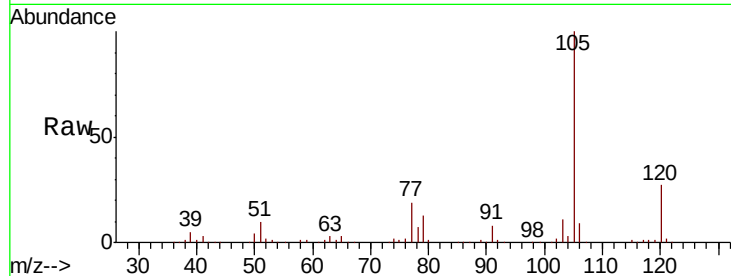
120 28.3 13.1 39.3

Manual Integrations

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MMDadoda

11/8/2018 10:35:24 AM



#74

N-ethyl acetate

Concen: 18.900 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion: 43 Resp: 50262

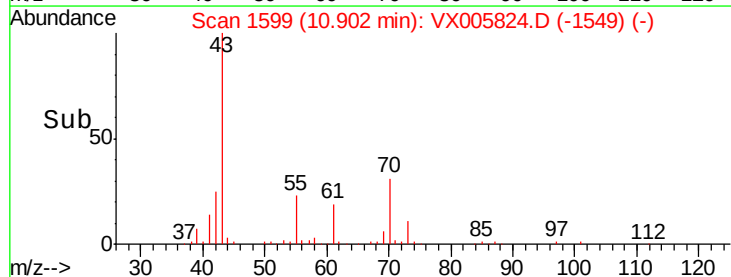
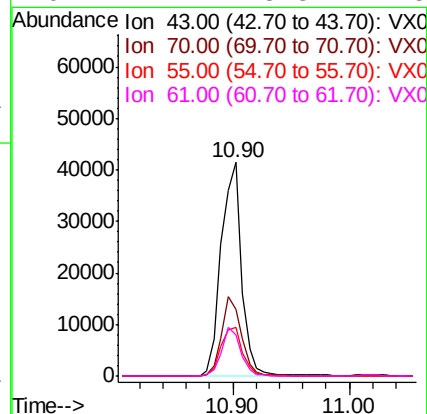
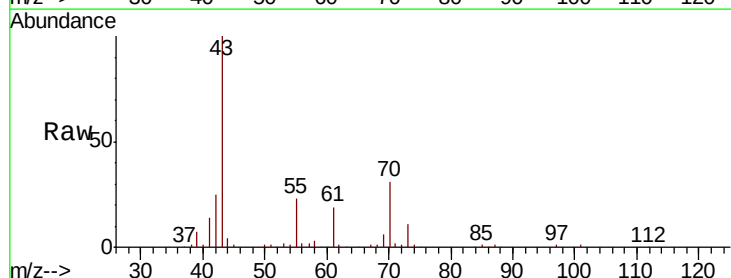
Ion Ratio Lower Upper

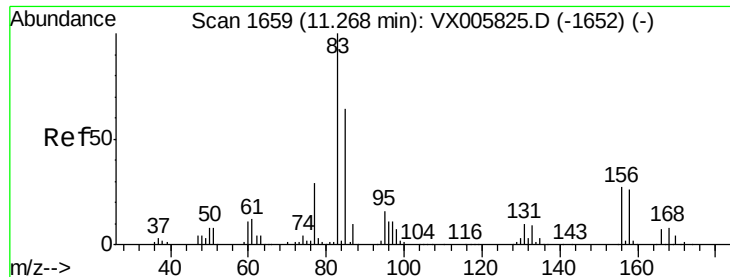
43 100

70 35.6 31.6 47.4

55 24.4 19.7 29.5

61 21.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 15.219 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

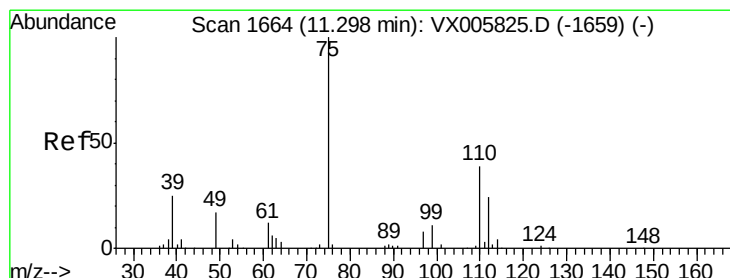
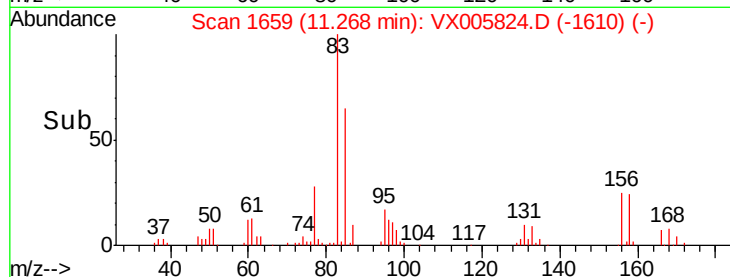
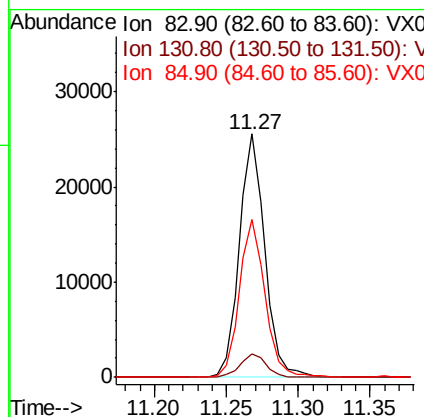
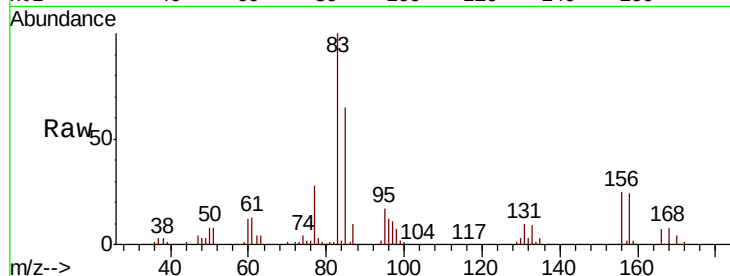
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	31537
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	65.1	32.0	96.2

Manual Integrations
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MMDadoda
11/8/2018 10:35:24 AM



#76

1,2,3-Trichloropropane

Concen: 17.060 ug/l m

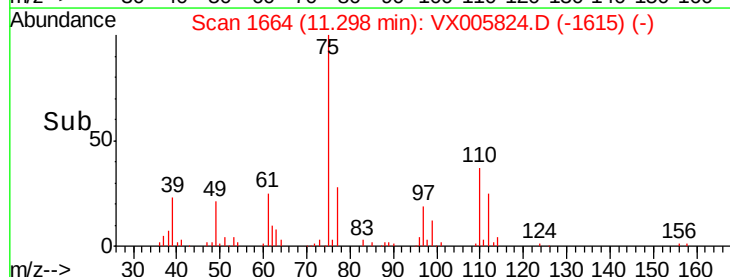
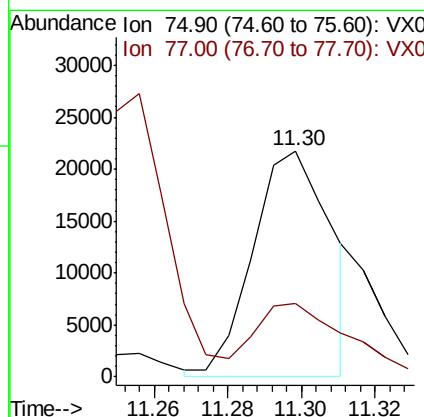
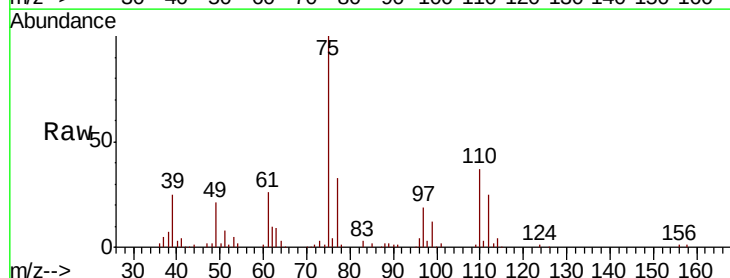
RT: 11.30 min Scan# 1664

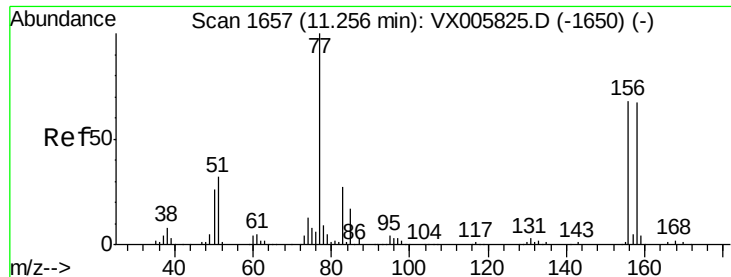
Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion:	75	Resp:	32170
Ion Ratio	Lower	Upper	
75	100		
77	38.3	20.5	61.6





#77

Bromobenzene

Concen: 19.810 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

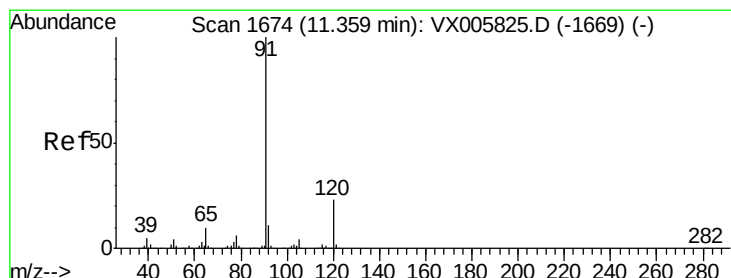
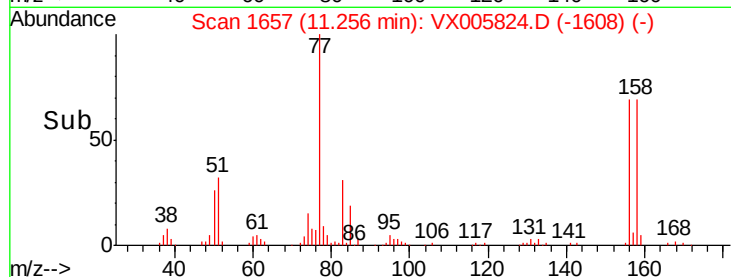
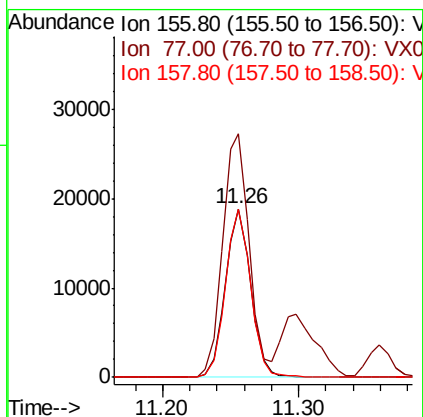
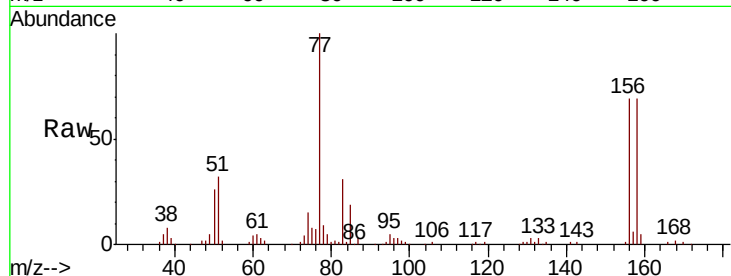
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.5	74.8	224.4	
158	98.4	49.1	147.3	

Manual Integrations
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MMDadoda
11/8/2018 10:35:24 AM



#78

n-propylbenzene

Concen: 17.759 ug/l

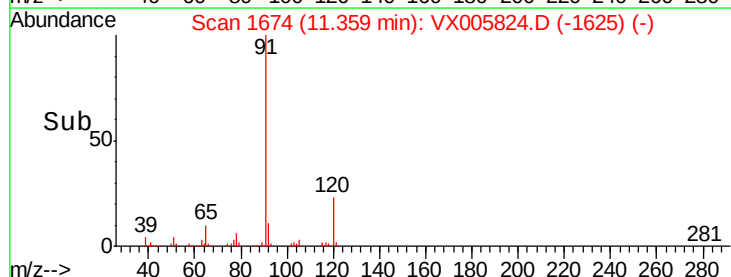
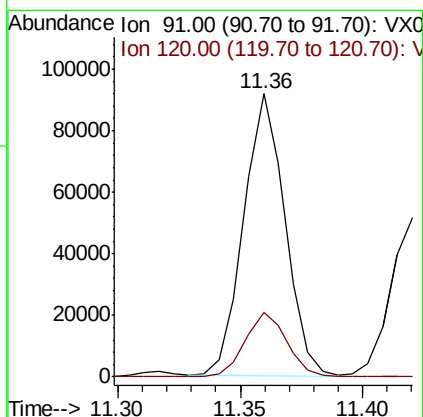
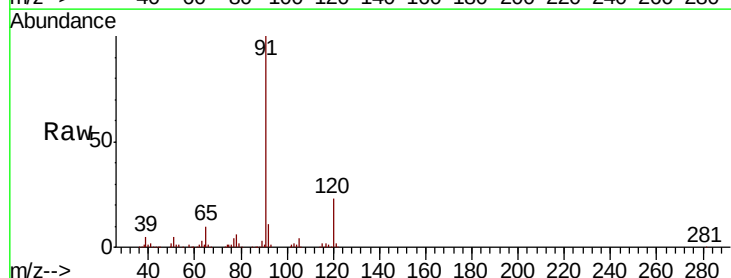
RT: 11.36 min Scan# 1674

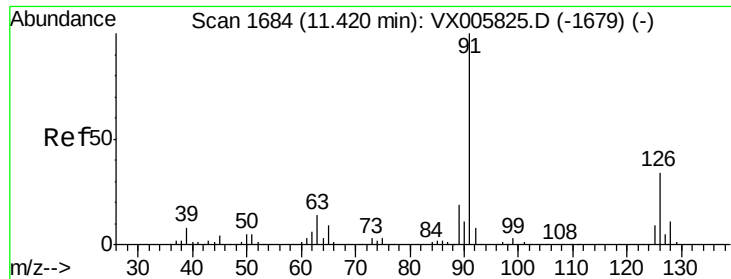
Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.9	35.5	





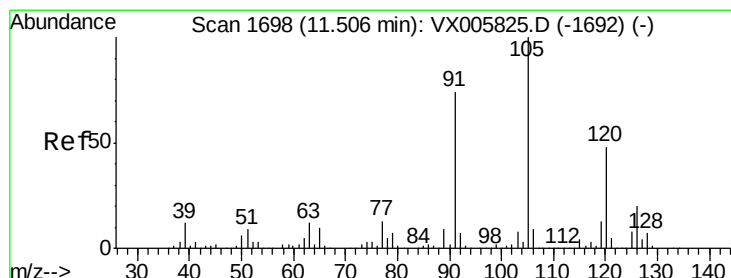
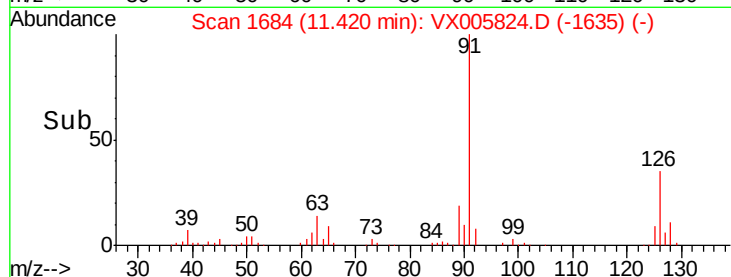
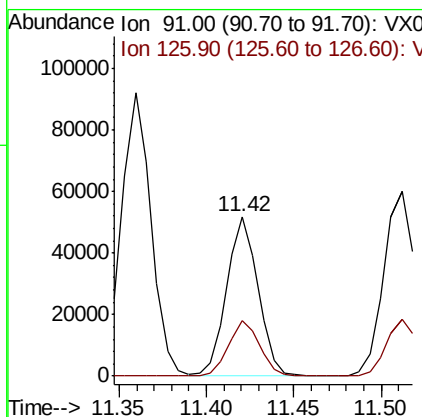
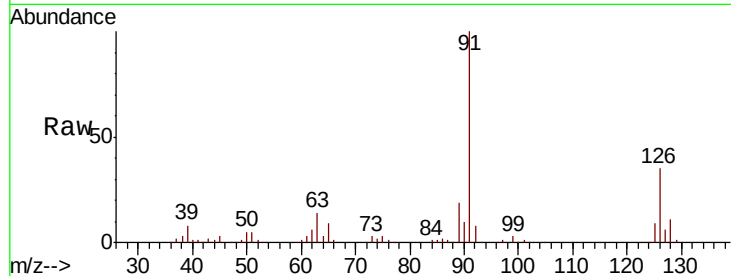
#79
 2-Chlorotoluene
 Concen: 17.631 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion: 91 Resp: 63987
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.3 52.0

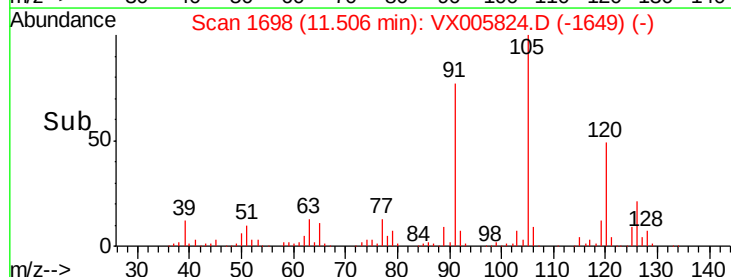
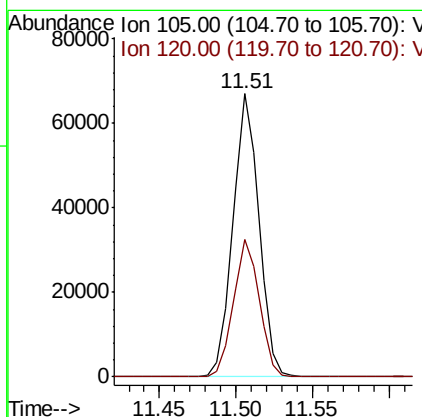
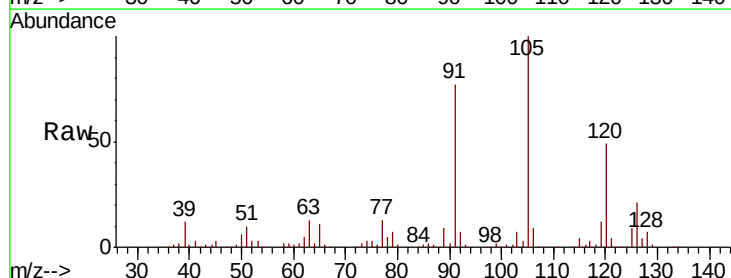
Manual Integrations
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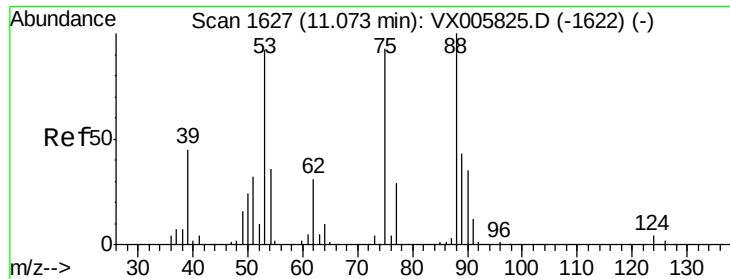
MMDadoda
 11/8/2018 10:35:24 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.590 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Tgt Ion: 105 Resp: 78844
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.941 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

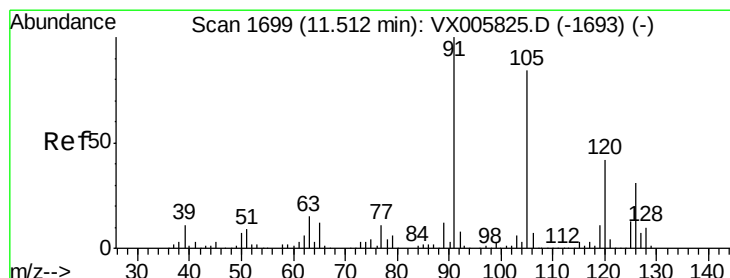
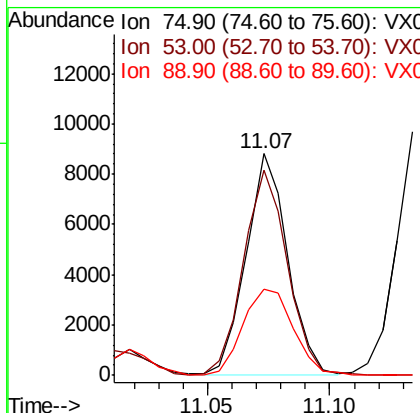
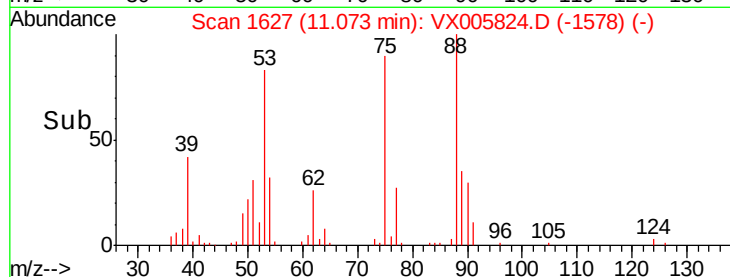
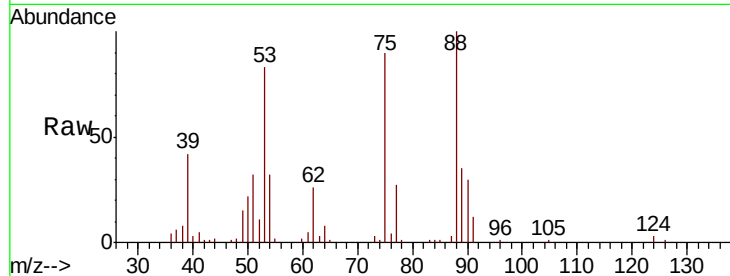
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	10471
Ion	Ratio	Lower	Upper
75	100		
53	97.4	80.2	120.2
89	47.0	39.8	59.8

Manual Integrations
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MMDadoda
11/8/2018 10:35:24 AM



#82

4-Chlorotoluene

Concen: 17.587 ug/l

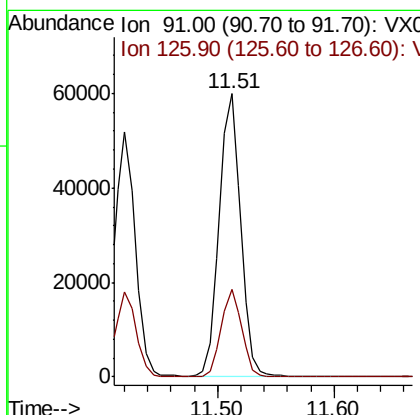
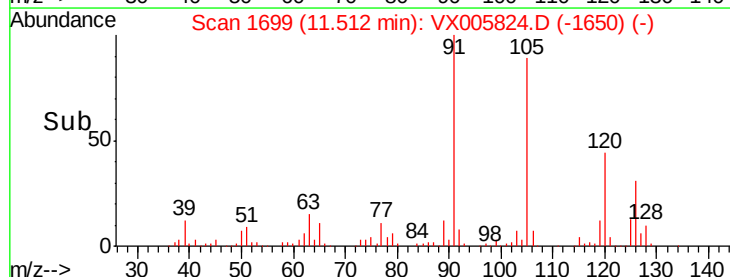
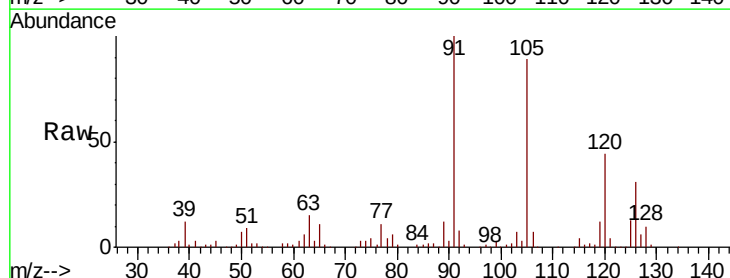
RT: 11.51 min Scan# 1699

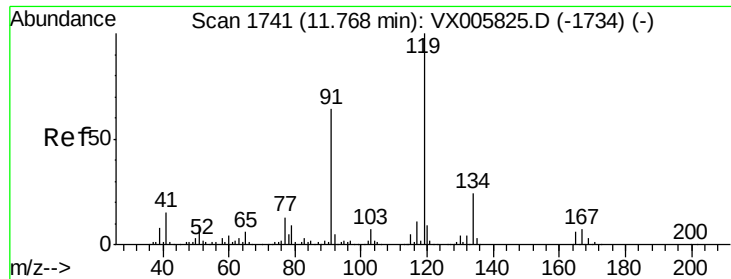
Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion:	91	Resp:	76200
Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.2	45.6





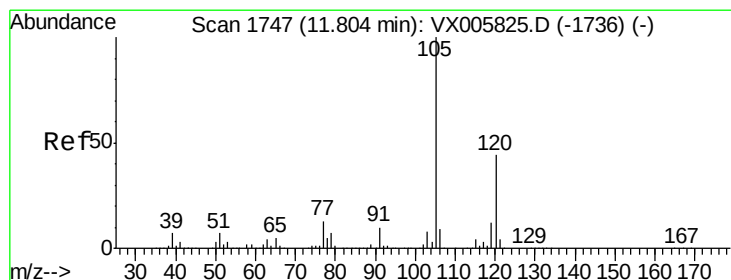
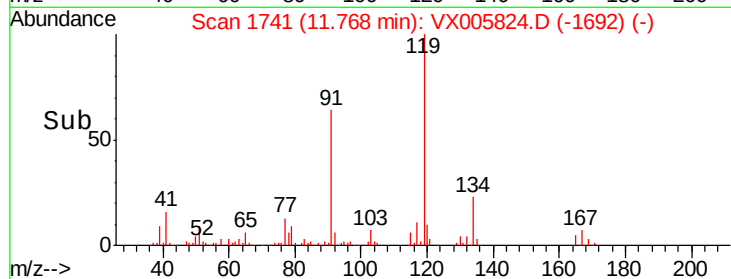
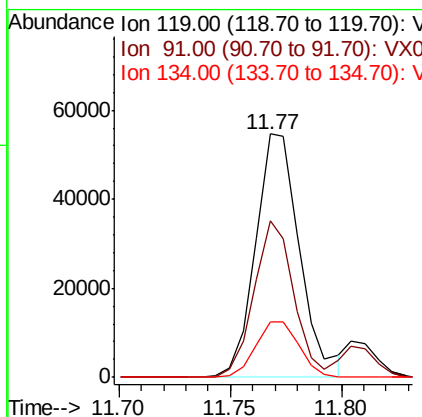
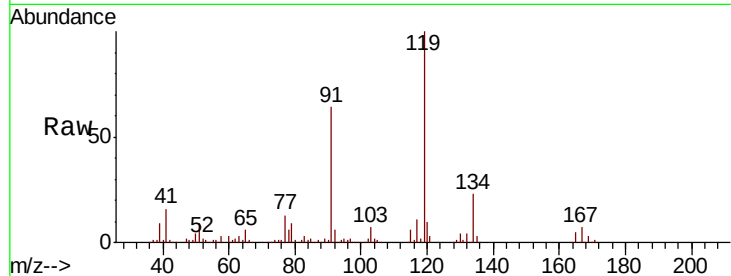
#83
tert-Butylbenzene
Concen: 18.598 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	28.5	85.5
134	22.8	11.3	33.8

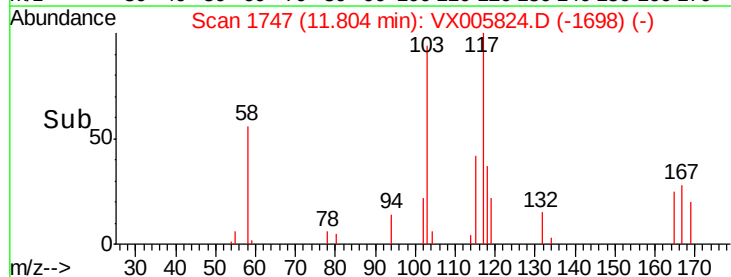
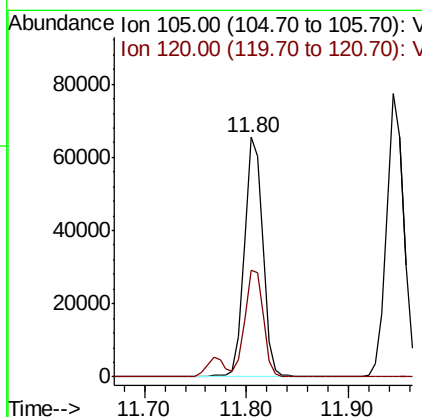
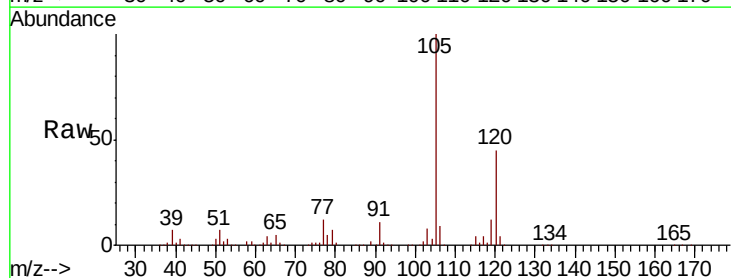
Manual Integrations
APPROVED

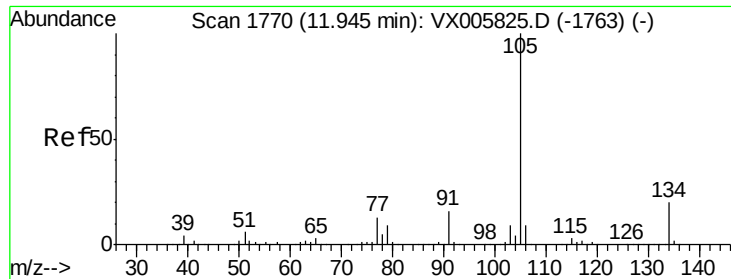
MMDadoda
11/8/2018 10:35:24 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.942 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





#85

sec-Butylbenzene

Concen: 17.986 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 93364

Ion Ratio Lower Upper

105 100

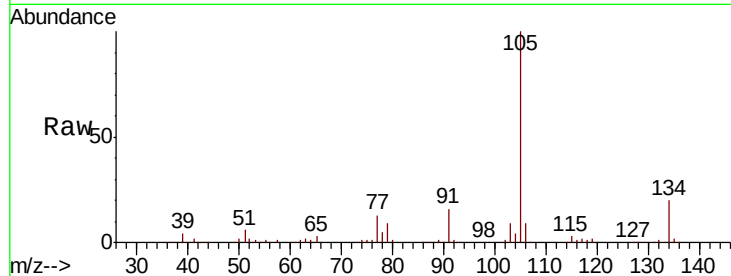
134 20.2 10.2 30.4

Manual Integrations

APPROVED

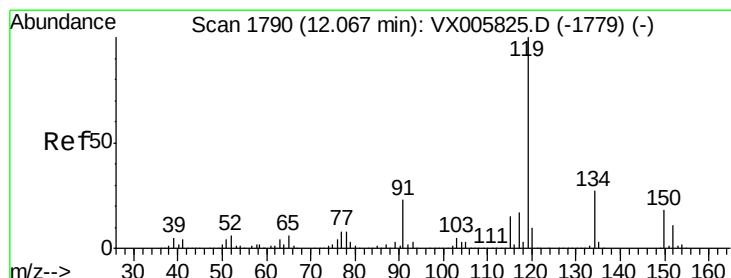
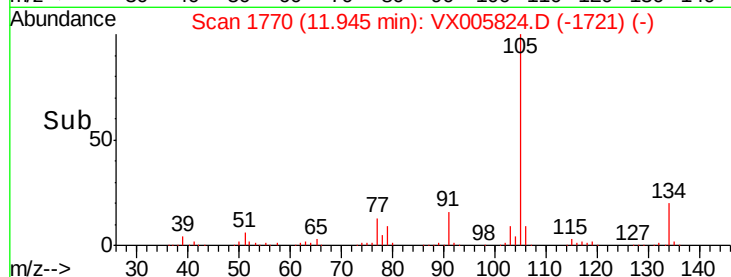
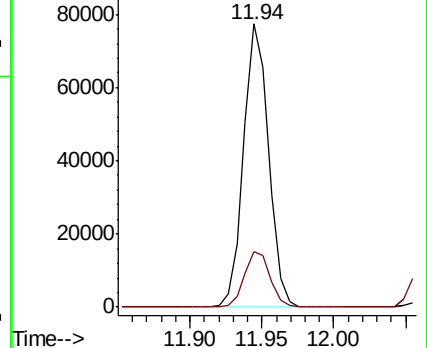
MMDadoda

11/8/2018 10:35:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.095 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

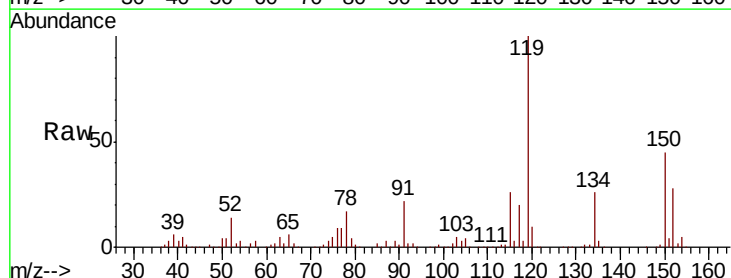
Tgt Ion:119 Resp: 84300

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

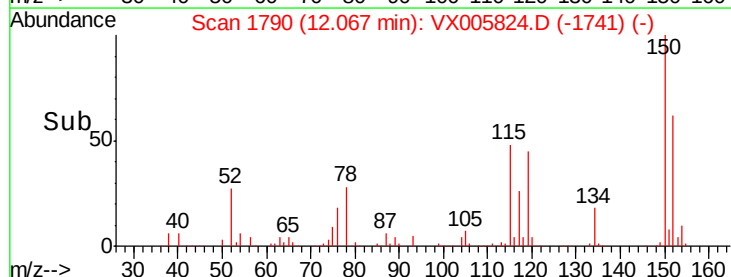
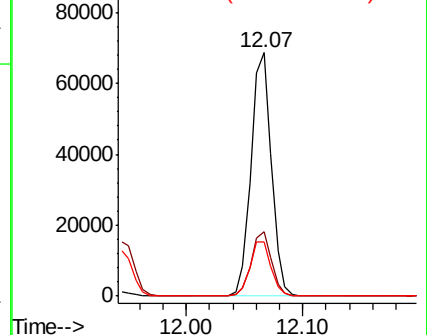
91 23.2 11.4 34.2

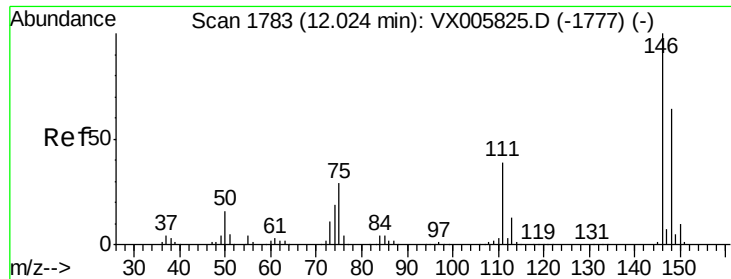


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





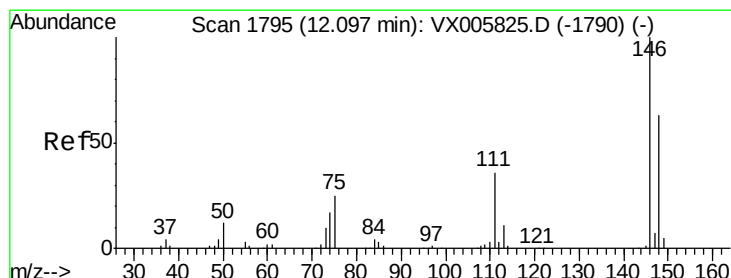
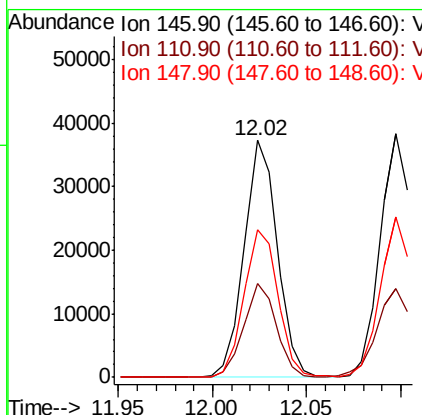
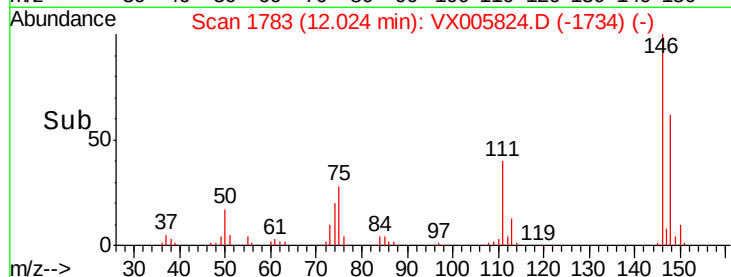
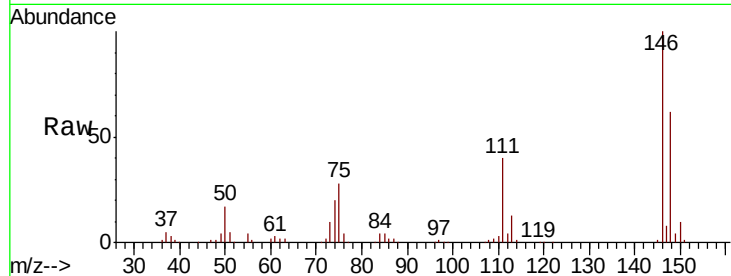
#87
 1,3-Dichlorobenzene
 Concen: 19.157 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.0	57.0
148	63.7	31.9	95.9

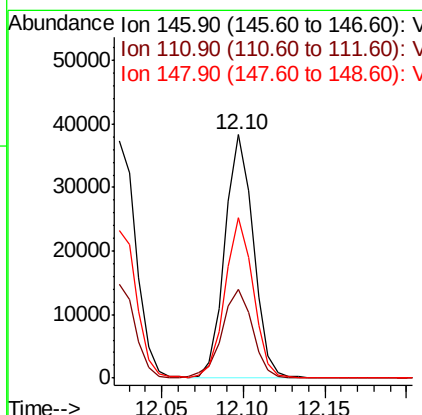
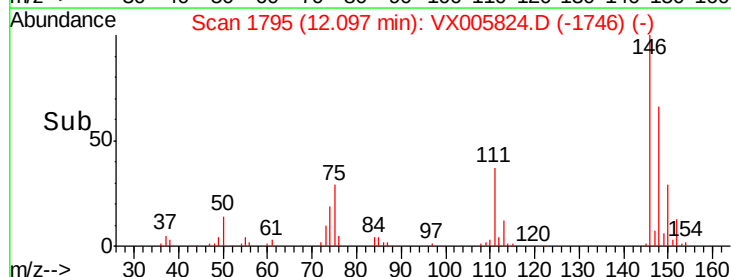
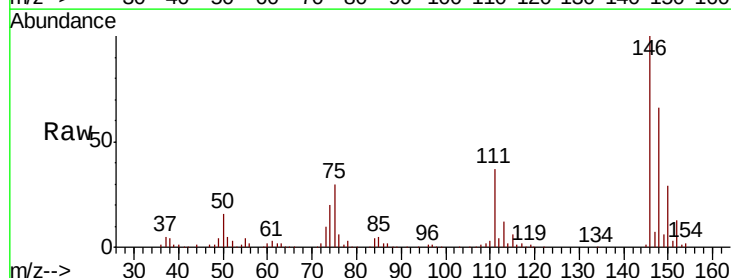
Manual Integrations
 APPROVED

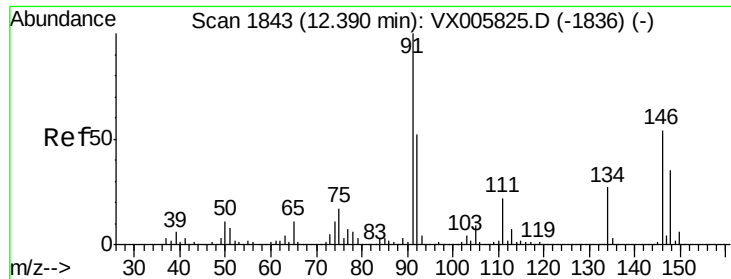
MMDadoda
 11/8/2018 10:35:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.095 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.6	55.8
148	65.3	32.1	96.3





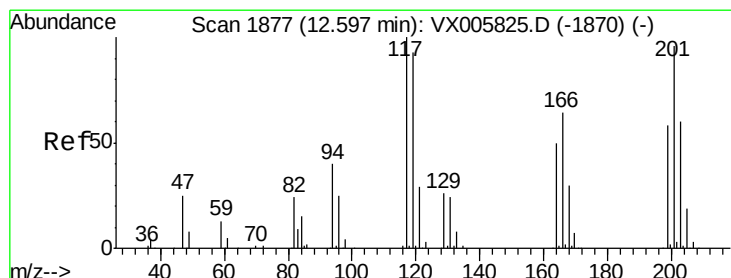
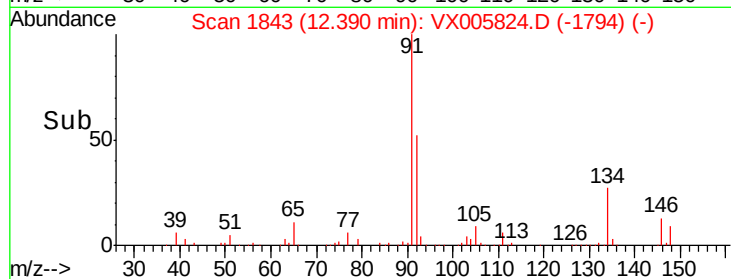
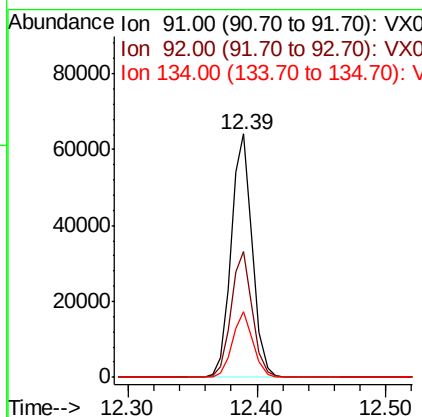
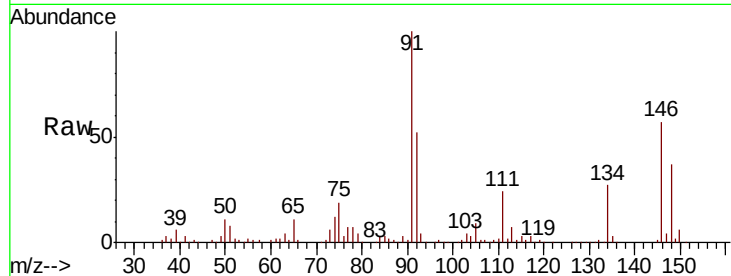
#89
n-Butylbenzene
Concen: 16.539 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	26.3	13.1	39.3

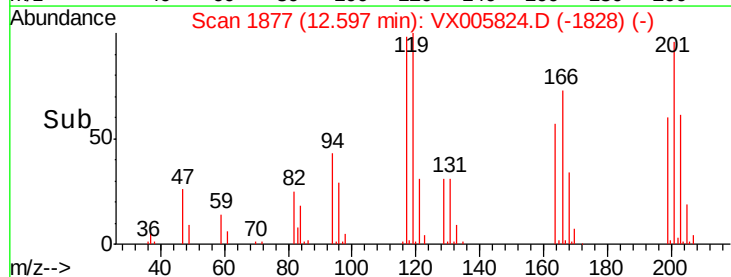
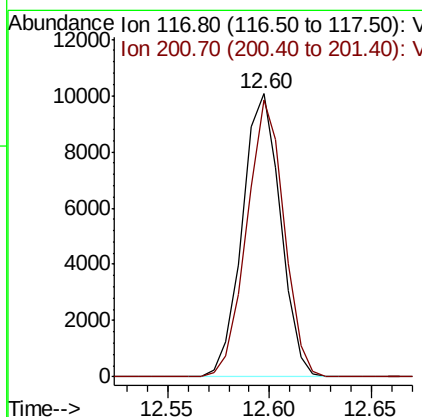
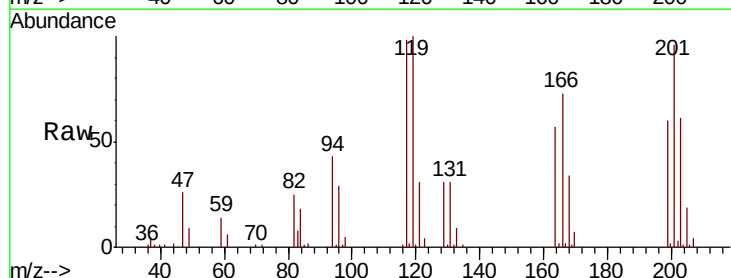
Manual Integrations
APPROVED

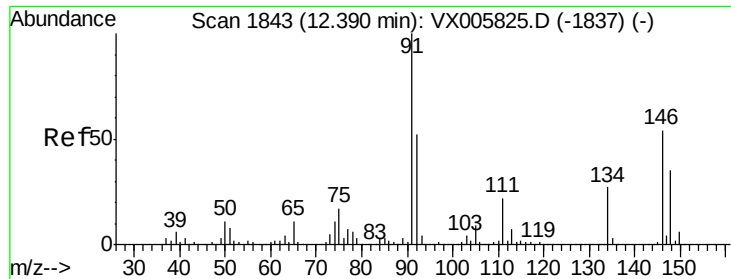
MMDadoda
11/8/2018 10:35:24 AM



#90
Hexachloroethane
Concen: 16.699 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005824.D
Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.5	47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 18.195 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

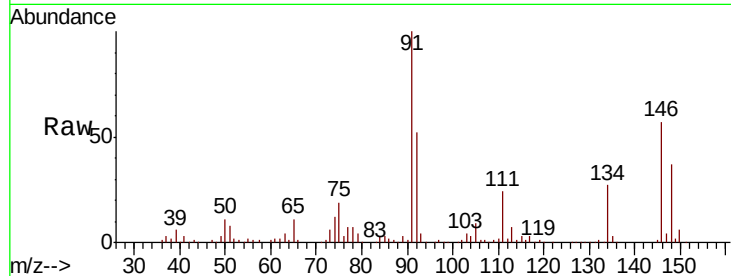
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	45540
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	59.9
148	64.5	32.2	96.6

Manual Integrations
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MMDadoda
11/8/2018 10:35:24 AM

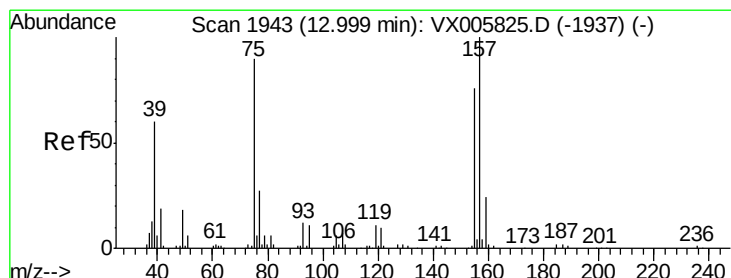
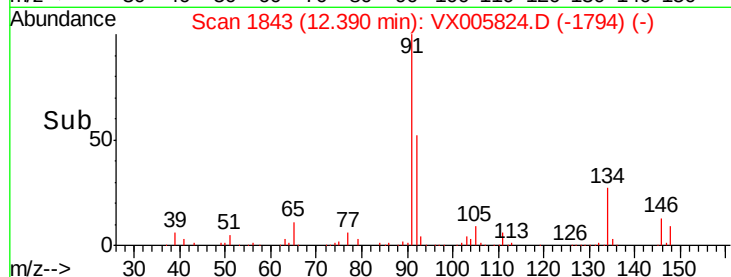
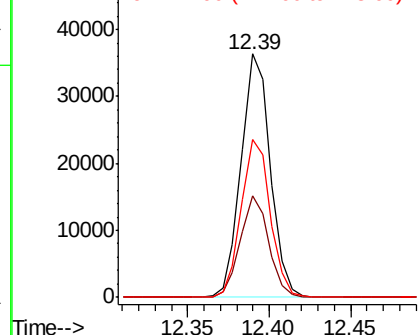


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.081 ug/l

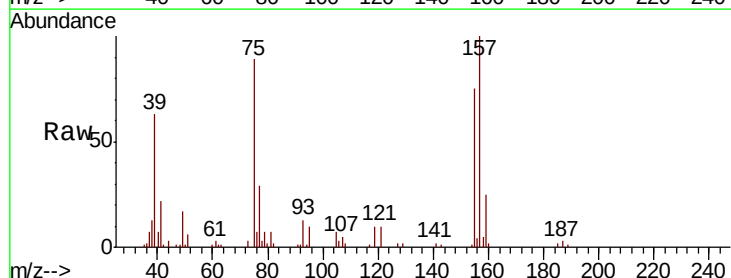
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion:	75	Resp:	7816
Ion Ratio	Lower	Upper	
75	100		
155	89.1	45.4	136.1
157	114.9	57.4	172.0

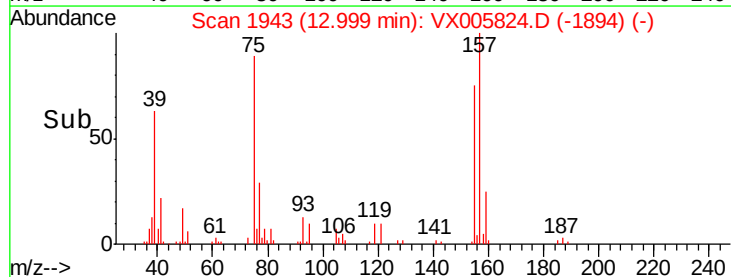
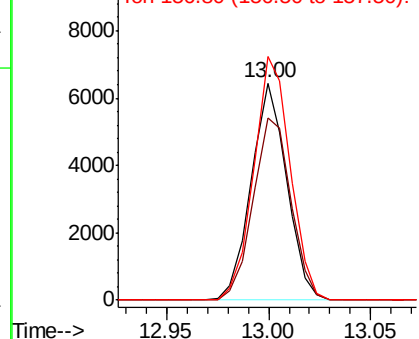


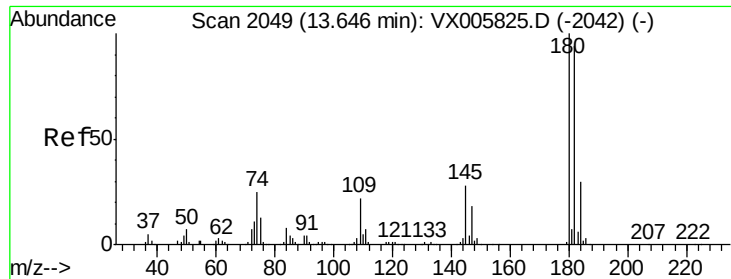
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





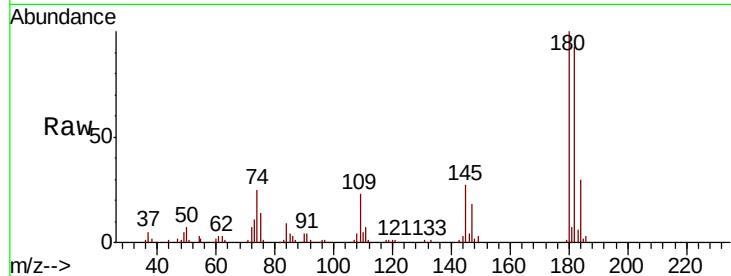
#93
 1,2,4-Trichlorobenzene
 Concen: 20.977 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

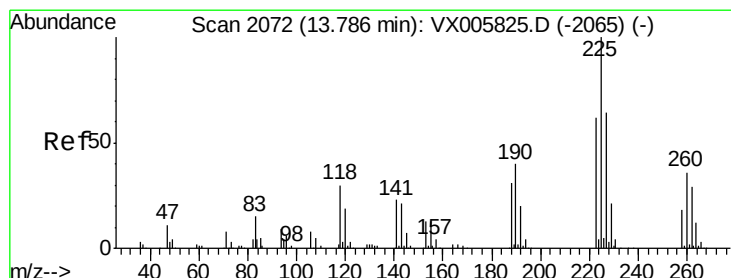
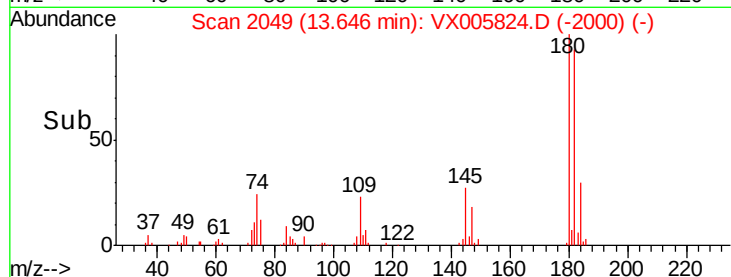
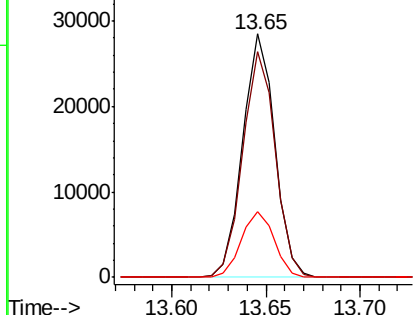
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	27.8	14.1	42.2

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:24 AM

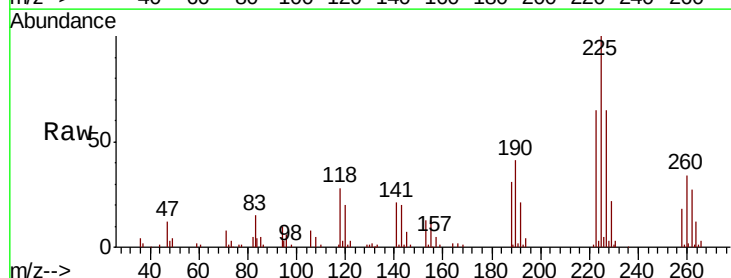


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

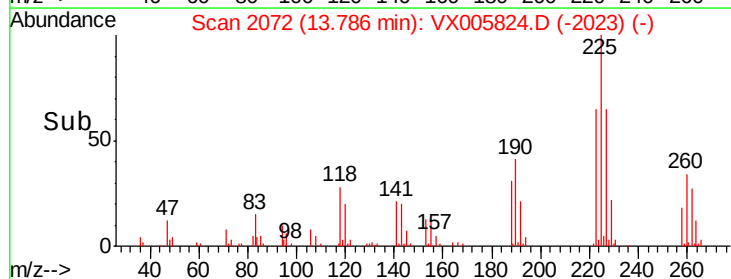
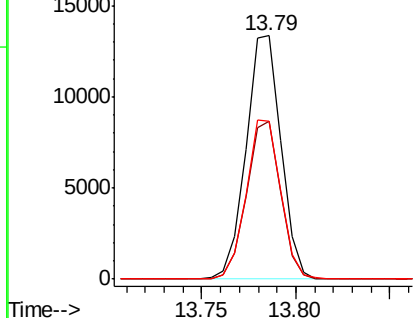


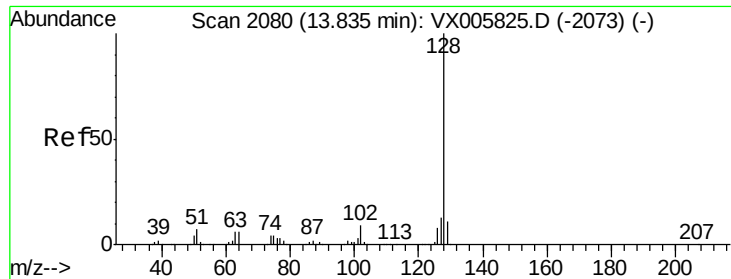
#94
 Hexachlorobutadiene
 Concen: 22.096 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005824.D
 Acq: 07 Nov 2018 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.7	95.1
227	64.2	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.014 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Instrument :

MSVOA_X

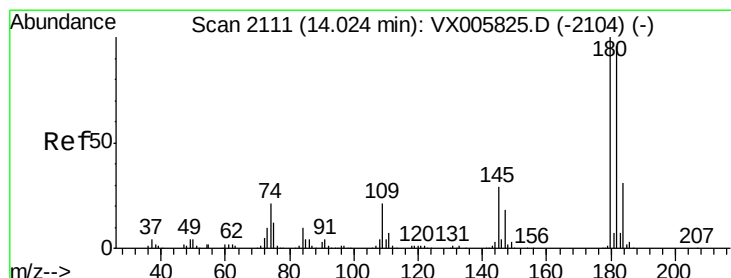
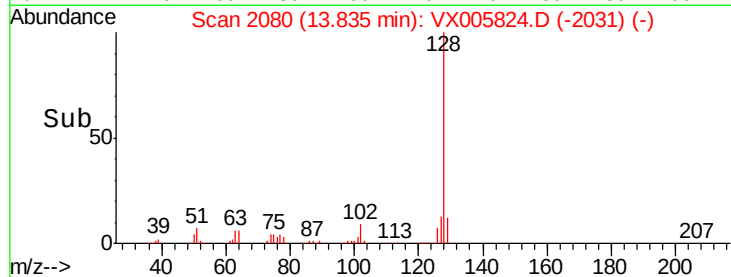
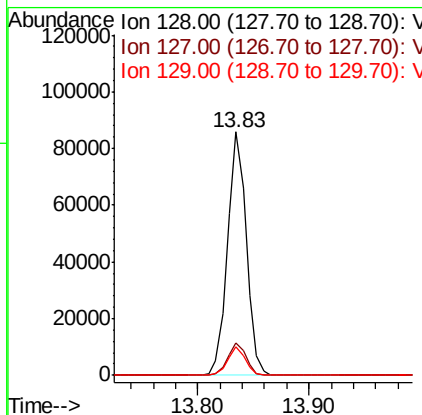
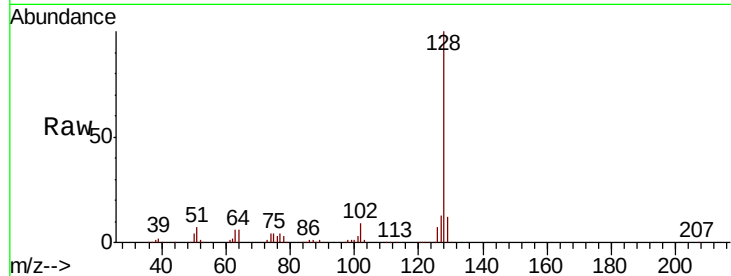
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	100381
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:24 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.371 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005824.D

Acq: 07 Nov 2018 12:58

Tgt Ion:	180	Resp:	34926
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.2
145	30.3	15.1	45.3

