

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012404.D
 Acq On : 16 Sep 2019 13:11
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 5:04:07 PM

Quant Time: Sep 17 04:30:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:04:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	122837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	196126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	186686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	45709	30.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.90%	
35) Dibromofluoromethane	5.49	113	33351	23.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.76%	
50) Toluene-d8	8.71	98	122689	25.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.22%	
62) 4-Bromofluorobenzene	11.13	95	47297	24.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	23329	20.470	ug/l	100
3) Chloromethane	1.32	50	19315	19.153	ug/l	100
4) Vinyl Chloride	1.40	62	20696	20.260	ug/l	99
5) Bromomethane	1.63	94	10471	19.677	ug/l	96
6) Chloroethane	1.72	64	13771	22.871	ug/l	92
7) Trichlorofluoromethane	1.92	101	38956	23.236	ug/l	99
8) Diethyl Ether	2.18	74	15747	26.391	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27833	26.151	ug/l	99
10) Methyl Iodide	2.50	142	23619	19.259	ug/l	99
11) Tert butyl alcohol	3.03	59	62591	194.327	ug/l	97
12) 1,1-Dichloroethene	2.36	96	21583	21.492	ug/l	94
13) Acrolein	2.28	56	26314	200.807	ug/l	100
14) Allyl chloride	2.72	41	49506	29.415	ug/l	100
15) Acrylonitrile	3.13	53	102649	159.510	ug/l	99
16) Acetone	2.43	43	105943	168.574	ug/l	96
17) Carbon Disulfide	2.56	76	29601	12.904	ug/l	99
18) Methyl Acetate	2.76	43	48382	29.664	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	114710	31.963	ug/l	96
20) Methylene Chloride	2.85	84	28621	24.459	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	23537	22.016	ug/l	98
22) Diisopropyl ether	3.85	45	112007	32.647	ug/l	97
23) Vinyl Acetate	3.80	43	473475	165.809	ug/l	98
24) 1,1-Dichloroethane	3.69	63	56841	29.525	ug/l	99
25) 2-Butanone	4.66	43	156983	170.869	ug/l	97
26) 2,2-Dichloropropane	4.57	77	53609	31.686	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	34015	26.318	ug/l	98
28) Bromochloromethane	5.00	49	27608	30.992	ug/l	98
29) Tetrahydrofuran	5.12	42	92739	162.321	ug/l	99
30) Chloroform	5.20	83	63526	29.990	ug/l	96
31) Cyclohexane	5.57	56	34486	22.021	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	54925	30.064	ug/l	99
36) 1,1-Dichloropropene	5.79	75	34921	21.927	ug/l	99
37) Ethyl Acetate	4.83	43	55629	30.310	ug/l	98
38) Carbon Tetrachloride	5.77	117	43865	23.661	ug/l	98

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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)
39) Methylcyclohexane	7.46	83	35451	18.751	ug/l	97
40) Benzene	6.14	78	113188	22.696	ug/l	99
41) Methacrylonitrile	5.03	41	31656	29.169	ug/l	96
42) 1,2-Dichloroethane	6.18	62	50886	26.805	ug/l	100
43) Isopropyl Acetate	6.43	43	92067	30.481	ug/l	99
44) Trichloroethene	7.21	130	29991	20.085	ug/l	98
45) 1,2-Dichloropropane	7.51	63	33692	26.142	ug/l	94
46) Dibromomethane	7.65	93	22067	23.613	ug/l	99
47) Bromodichloromethane	7.89	83	49141	27.802	ug/l	99
48) Methyl methacrylate	7.76	41	42941	29.051	ug/l	98
49) 1,4-Dioxane	7.73	88	21685	540.508	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	306750	153.987	ug/l	99
52) Toluene	8.78	92	73055	22.696	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	50612	27.400	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	53725	27.024	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	36278	26.077	ug/l	98
56) Ethyl methacrylate	9.17	69	54774	27.309	ug/l	99
57) 1,3-Dichloropropane	9.37	76	59357	26.112	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	151081	142.037	ug/l	99
59) 2-Hexanone	9.49	43	232999	152.953	ug/l	99
60) Dibromochloromethane	9.58	129	38650	25.602	ug/l	99
61) 1,2-Dibromoethane	9.67	107	33711	23.219	ug/l	97
64) Tetrachloroethene	9.33	164	24935	17.265	ug/l	96
65) Chlorobenzene	10.14	112	83685	21.906	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	36264	24.789	ug/l	98
67) Ethyl Benzene	10.25	91	144668	22.736	ug/l	95
68) m/p-Xylenes	10.35	106	107417	44.328	ug/l	99
69) o-Xylene	10.70	106	55988	23.233	ug/l	99
70) Styrene	10.71	104	96321	23.599	ug/l	98
71) Bromoform	10.85	173	27039	21.898	ug/l #	100
73) Isopropylbenzene	11.01	105	153813	22.425	ug/l	100
74) N-amyl acetate	10.89	43	78196	27.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	61129	25.787	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	57548m	27.157	ug/l	
77) Bromobenzene	11.25	156	38039	19.241	ug/l	99
78) n-propylbenzene	11.35	91	171893	23.288	ug/l	99
79) 2-Chlorotoluene	11.42	91	109789	23.714	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	134119	23.304	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	17974	25.349	ug/l	97
82) 4-Chlorotoluene	11.51	91	127671	23.816	ug/l	99
83) tert-Butylbenzene	11.77	119	140908	24.526	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	135888	23.325	ug/l	98
85) sec-Butylbenzene	11.94	105	157377	23.929	ug/l	100
86) p-Isopropyltoluene	12.06	119	145172	23.225	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	71653	20.914	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	71971	20.655	ug/l	98
89) n-Butylbenzene	12.38	91	124116	23.640	ug/l	98
90) Hexachloroethane	12.59	117	26190	25.797	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	74914	21.481	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15739	27.728	ug/l	97

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ClientSampleId :
VSTDICC020

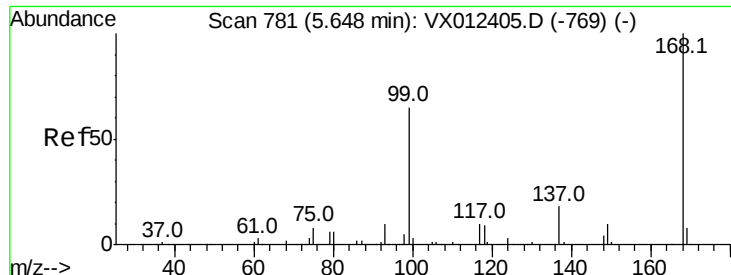
Manual Integrations
APPROVED

MMDadoda
9/23/2019 5:04:07 PM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	49249	19.607	ug/l	96
94) Hexachlorobutadiene	13.78	225	23313	17.103	ug/l	98
95) Naphthalene	13.83	128	171161	23.422	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	49735	19.623	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 122837

Ion Ratio Lower Upper

168 100

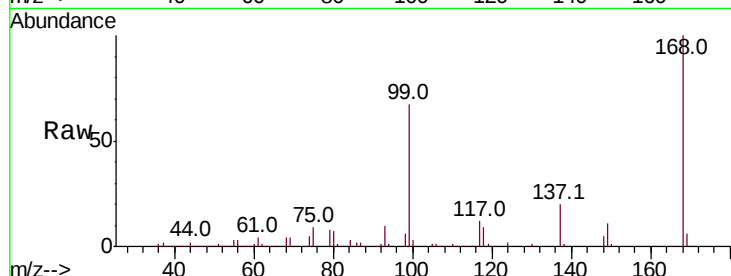
99 67.4 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

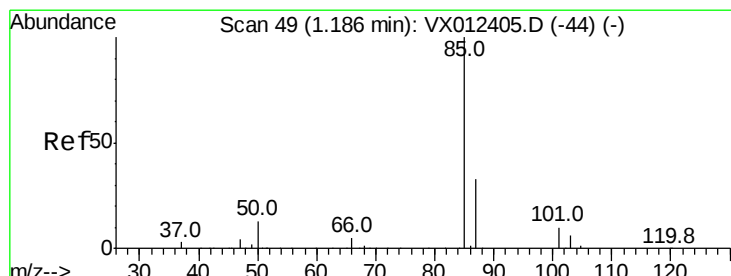
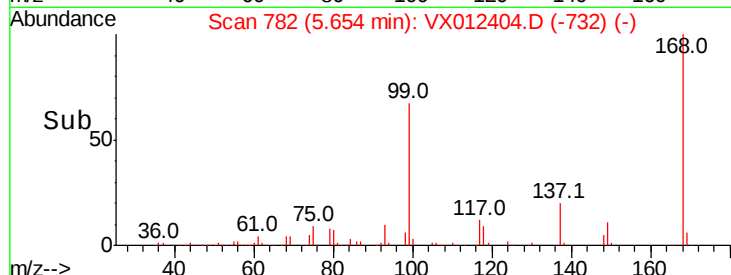
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.470 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012404.D

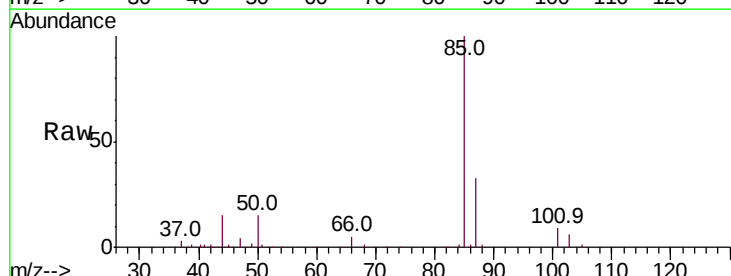
Acq: 16 Sep 2019 13:11

Tgt Ion: 85 Resp: 23329

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

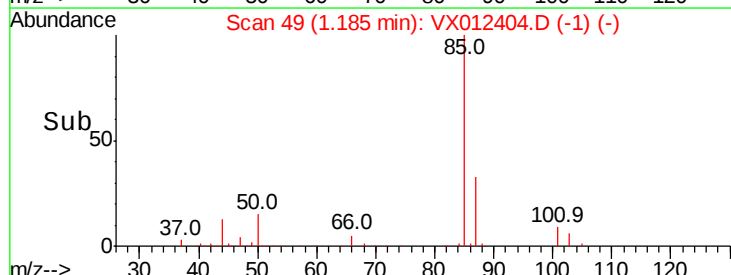
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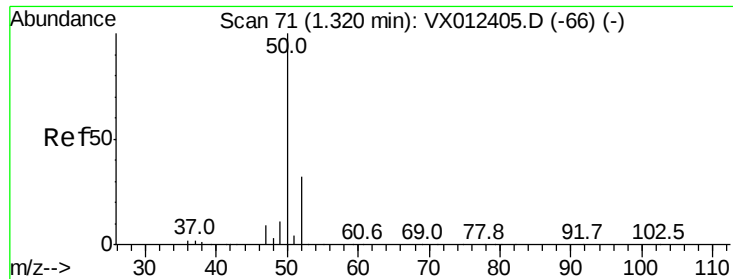
5000

0

Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.153 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 19315

Ion Ratio Lower Upper

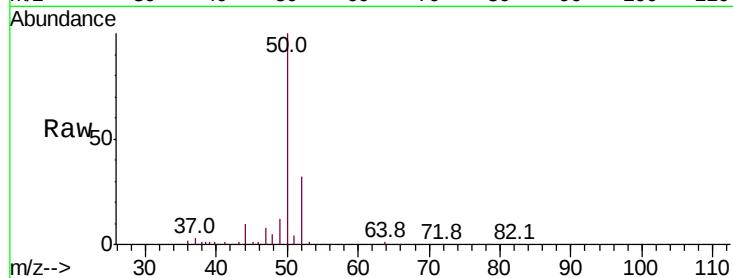
50 100

52 32.0 25.4 38.2

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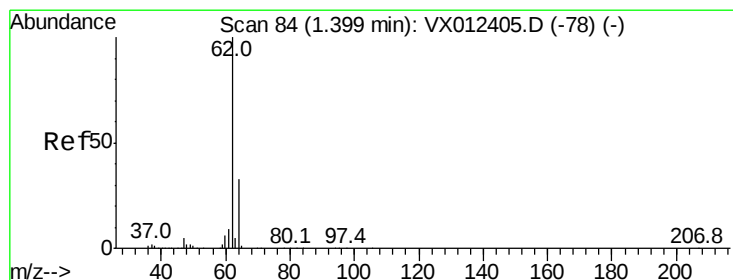
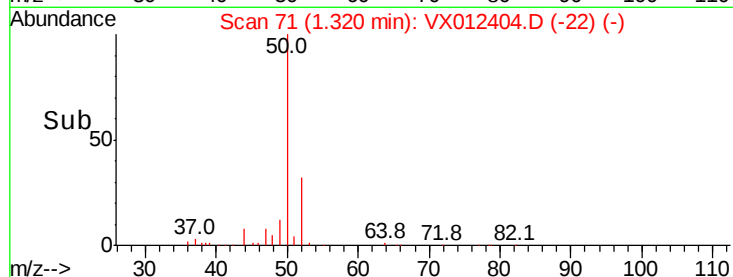
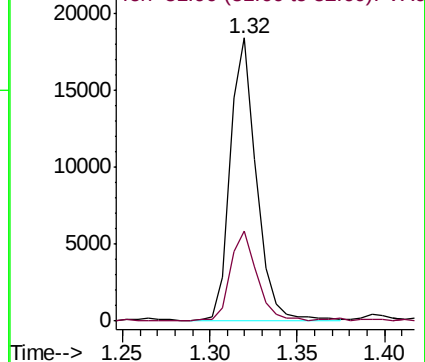
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.260 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012404.D

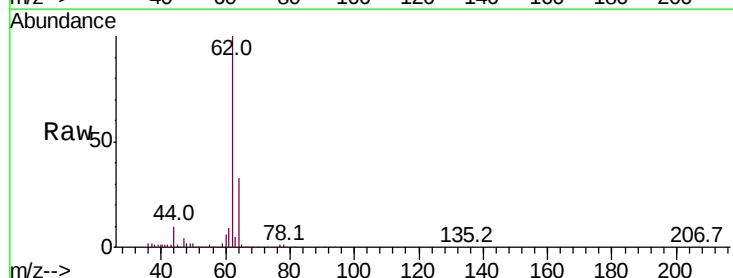
Acq: 16 Sep 2019 13:11

Tgt Ion: 62 Resp: 20696

Ion Ratio Lower Upper

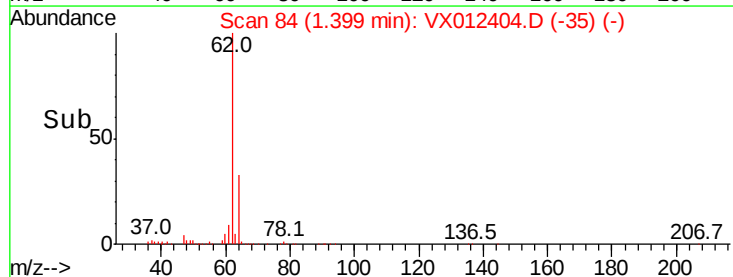
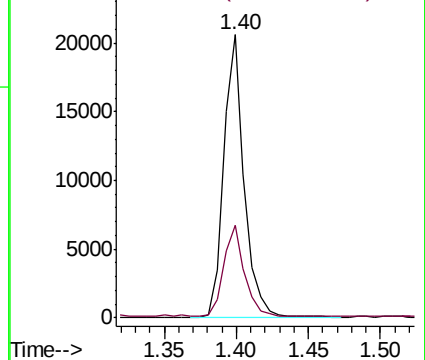
62 100

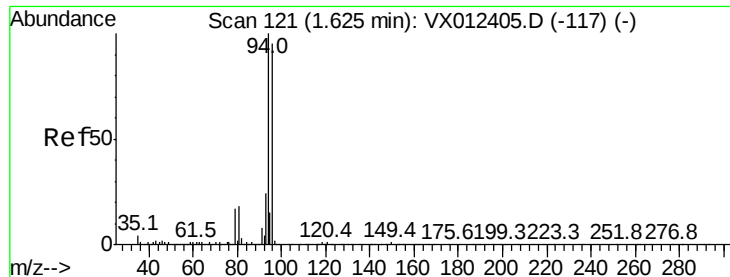
64 32.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.677 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 10471

Ion Ratio Lower Upper

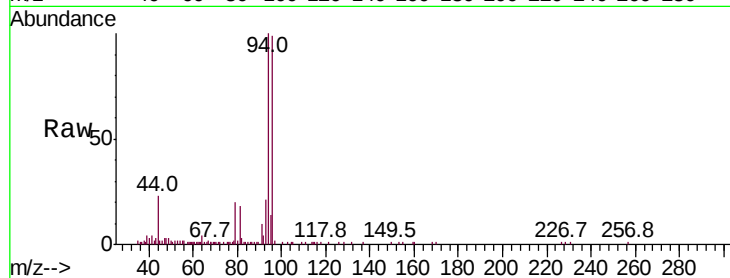
94 100

96 98.4 75.7 113.5

Manual Integrations
APPROVED

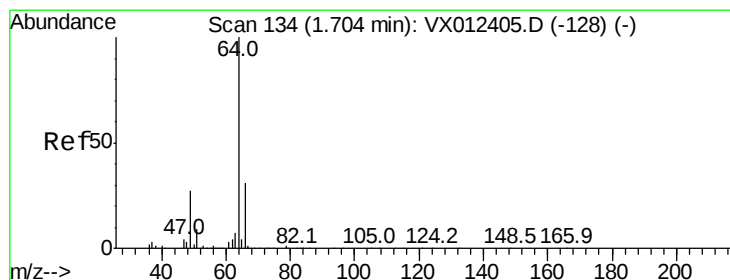
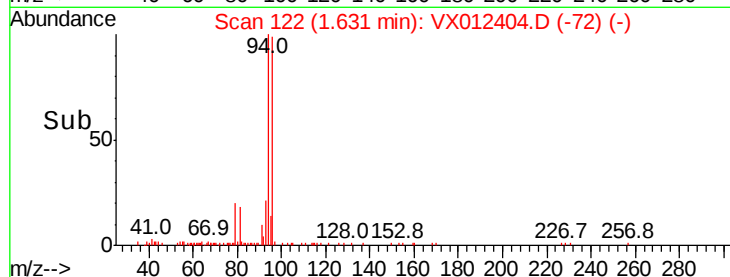
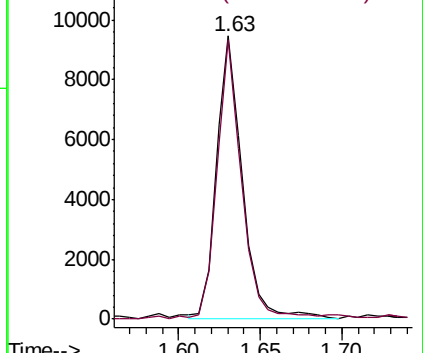
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.871 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012404.D

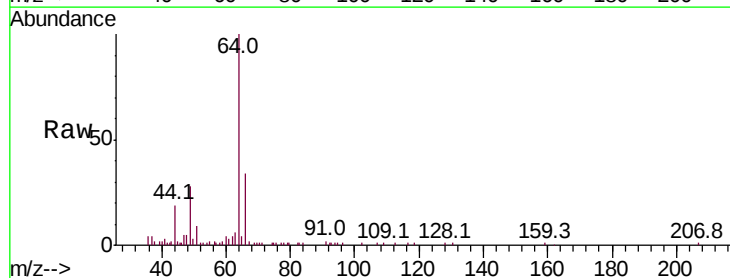
Acq: 16 Sep 2019 13:11

Tgt Ion: 64 Resp: 13771

Ion Ratio Lower Upper

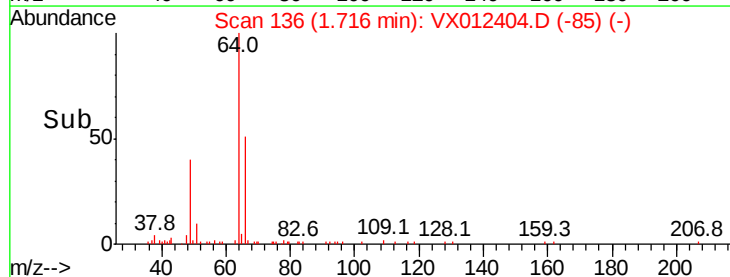
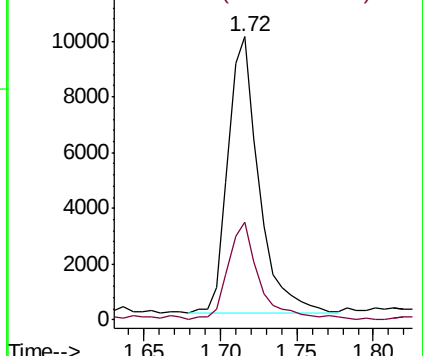
64 100

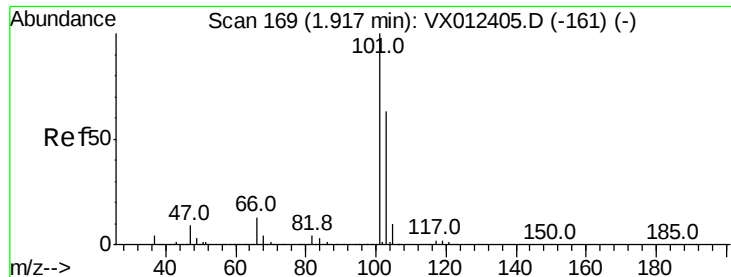
66 35.4 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

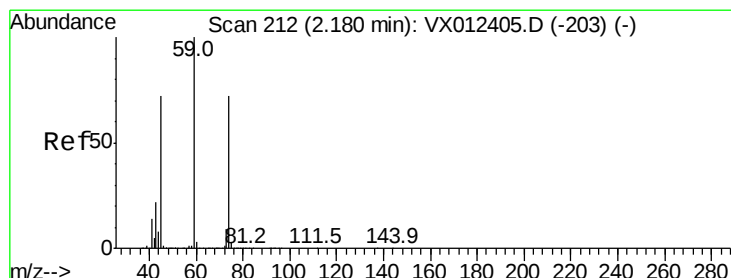
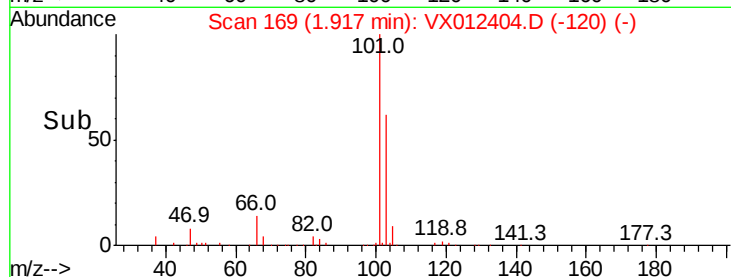
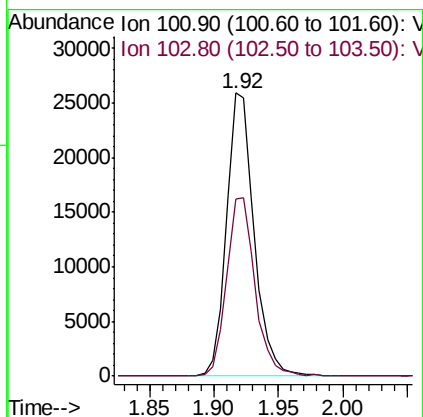
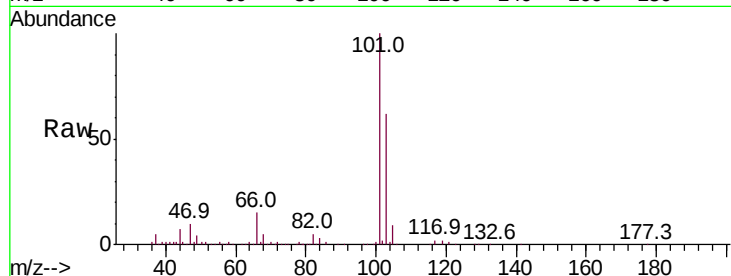
Trichlorofluoromethane
Concen: 23.236 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

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VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.5	75.7

Manual Integrations
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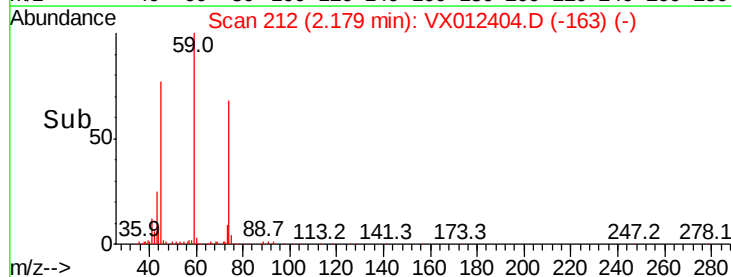
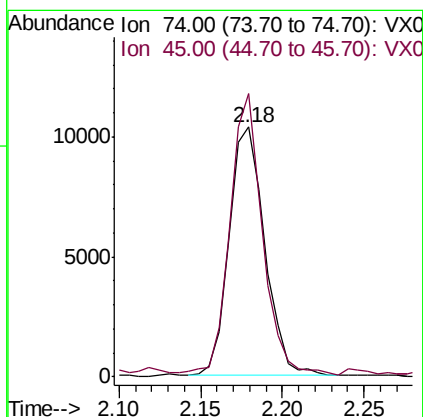
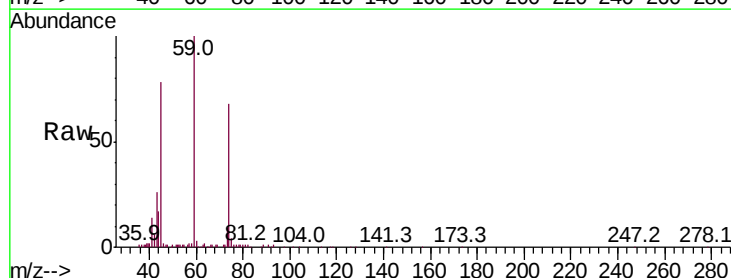
MMDadoda
9/23/2019 5:04:07 PM

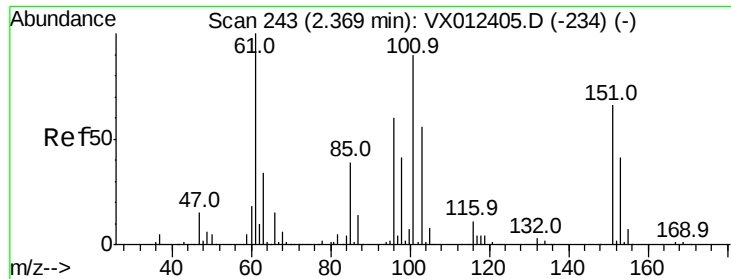


#8

Diethyl Ether
Concen: 26.391 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.151 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

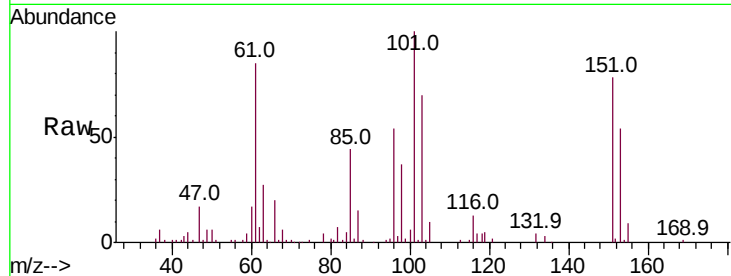
ClientSampleId :

VSTDIC020

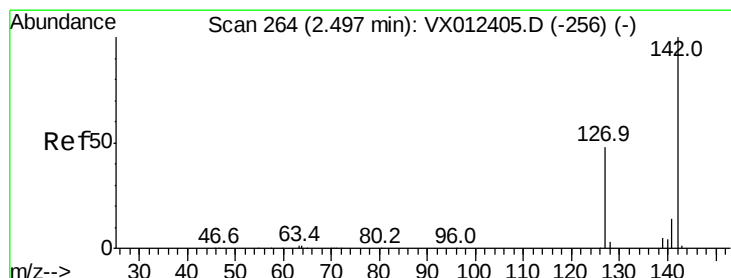
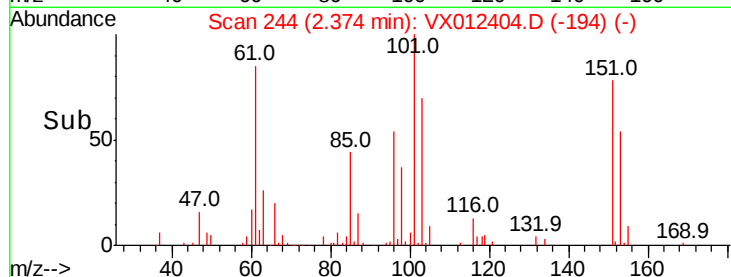
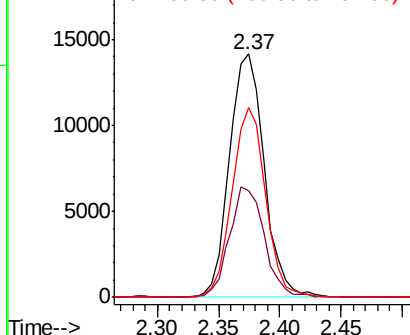
Tot Ion:	101	Resp:	27833
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.3	54.5
151	75.4	61.1	91.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.259 ug/l

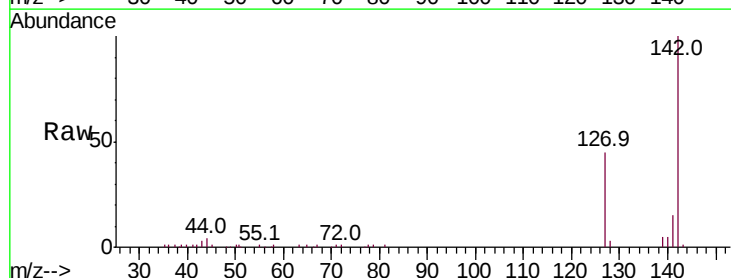
RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

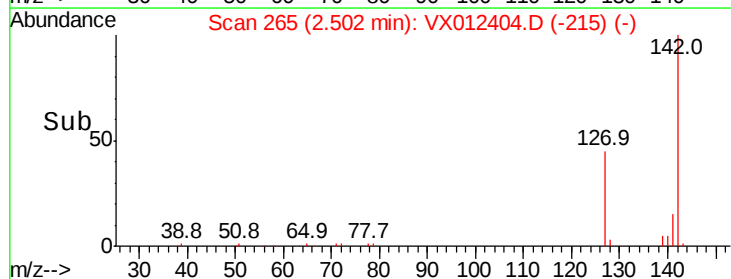
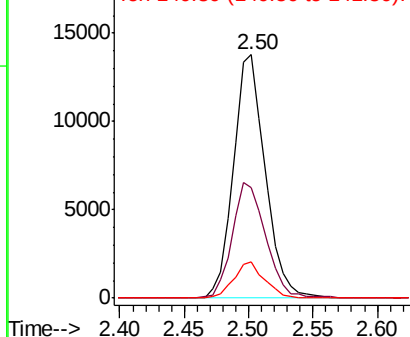
Lab File: VX012404.D

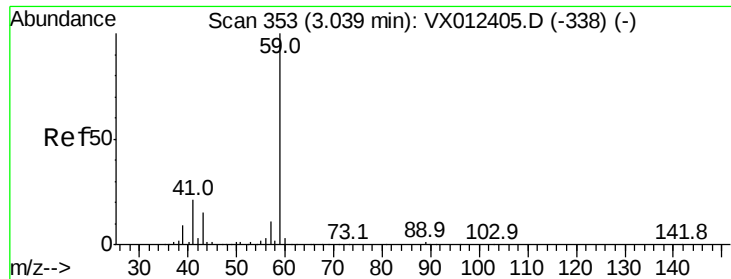
Acq: 16 Sep 2019 13:11

Tgt Ion:	142	Resp:	23619
Ion Ratio	Lower	Upper	
142	100		
127	50.0	39.6	59.4
141	14.3	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 194.327 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012404.D

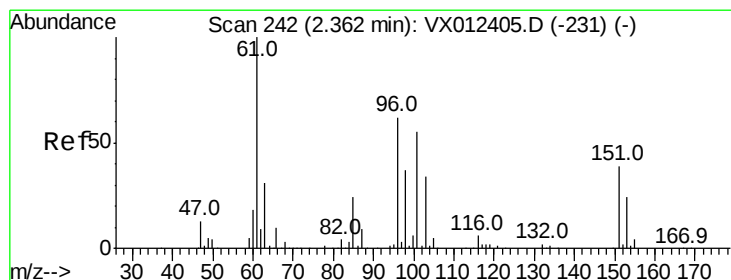
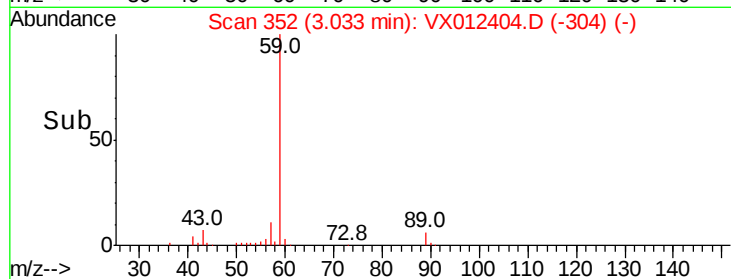
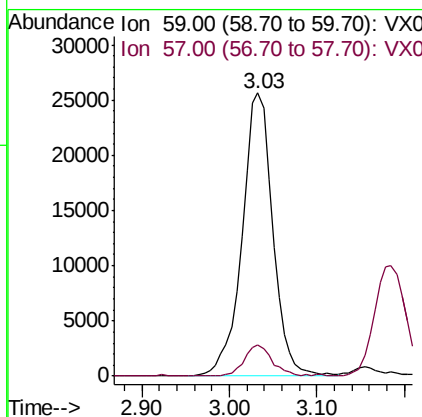
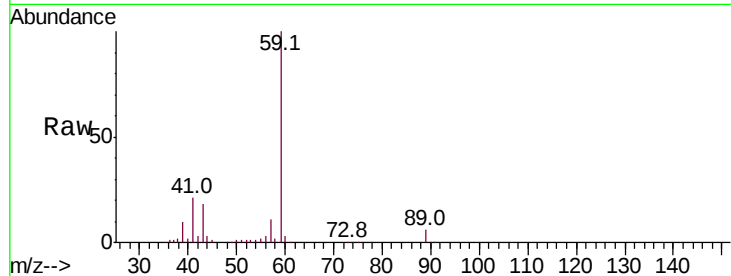
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.6	12.8

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 21.492 ug/l

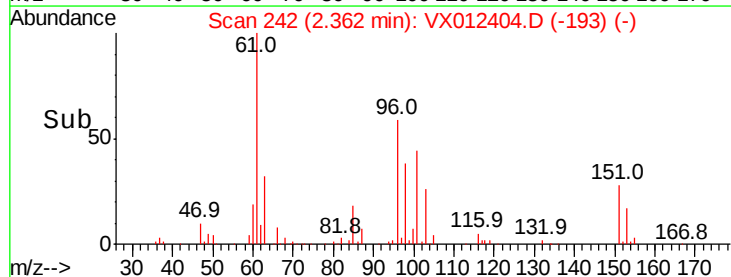
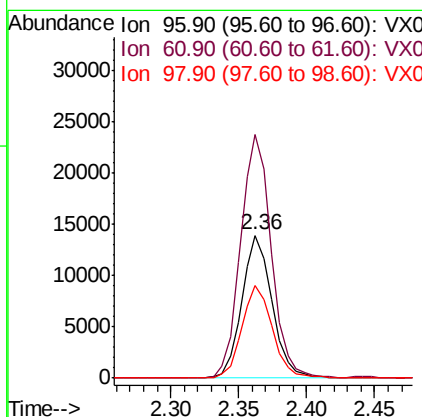
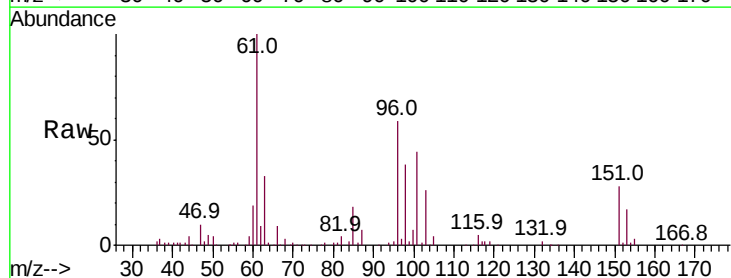
RT: 2.36 min Scan# 242

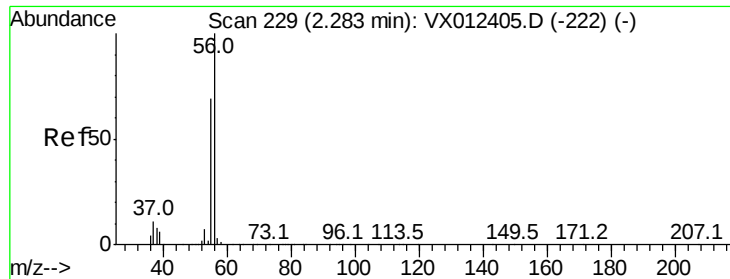
Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.3	129.8	194.6
98	64.6	48.5	72.7





#13

Acrolein

Concen: 200.807 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 26314

Ion Ratio Lower Upper

56 100

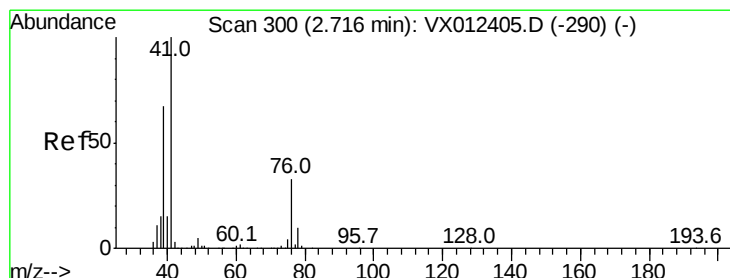
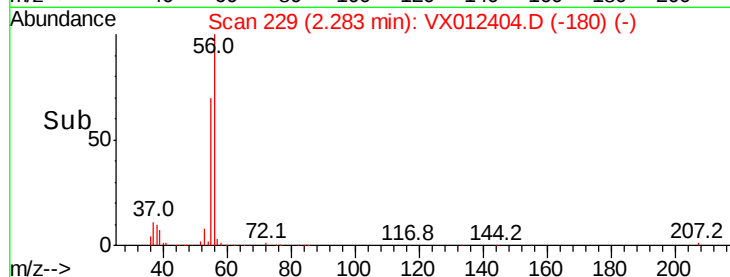
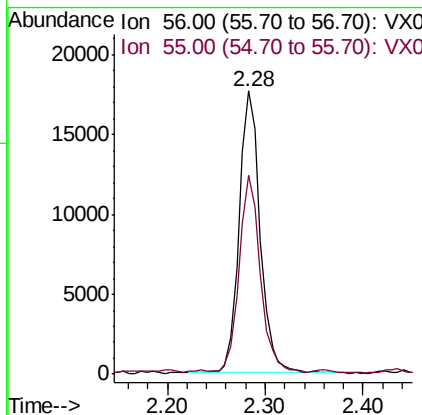
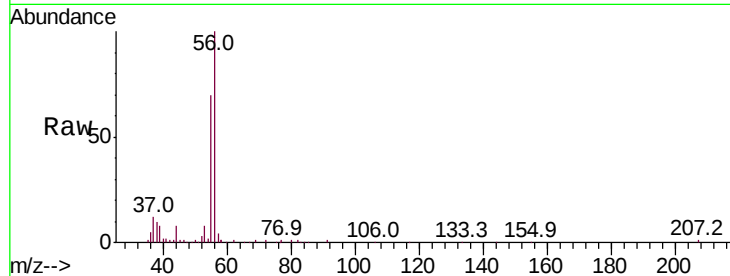
55 69.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 29.415 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

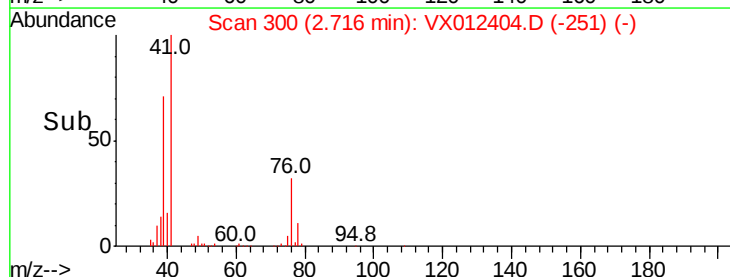
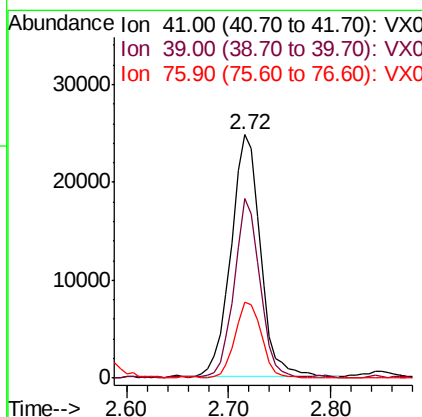
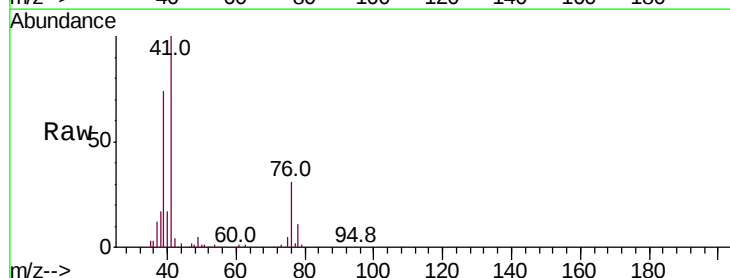
Tgt Ion: 41 Resp: 49506

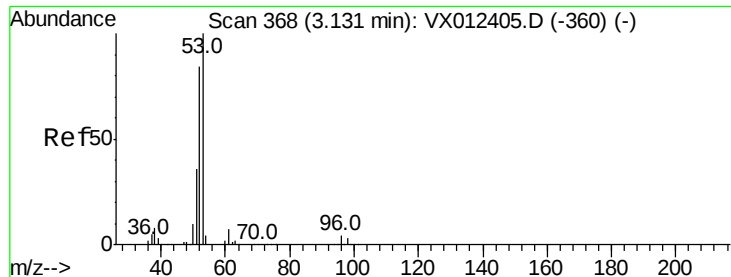
Ion Ratio Lower Upper

41 100

39 63.9 51.1 76.7

76 28.5 23.4 35.2





#15

Acrylonitrile

Concen: 159.510 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

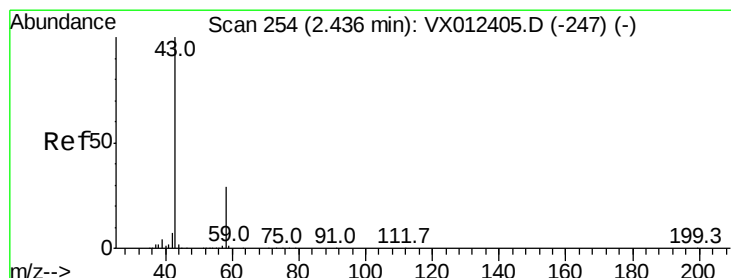
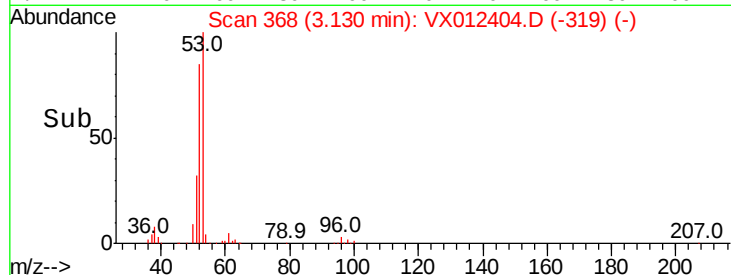
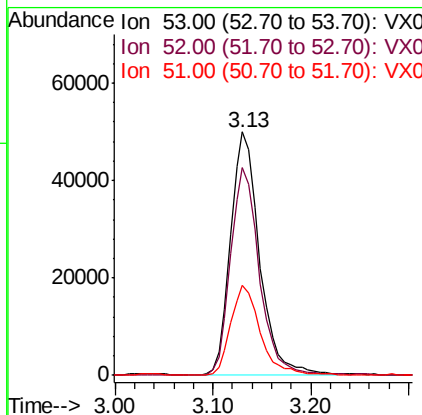
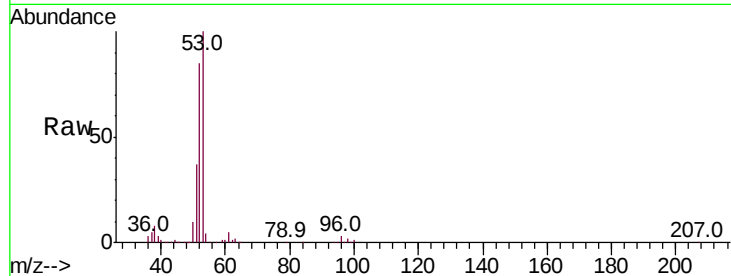
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	102649
Ion	Ratio	Lower	Upper
53	100		
52	85.2	67.4	101.2
51	38.4	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 168.574 ug/l

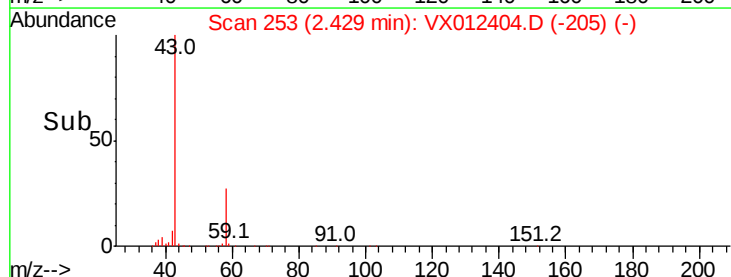
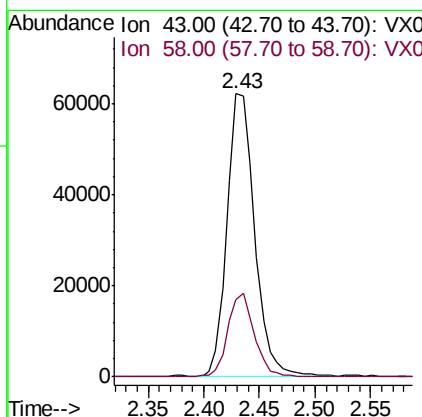
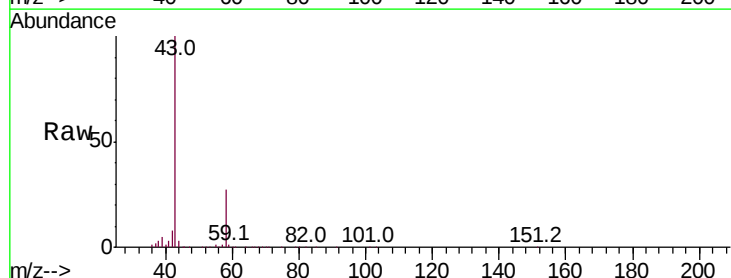
RT: 2.43 min Scan# 253

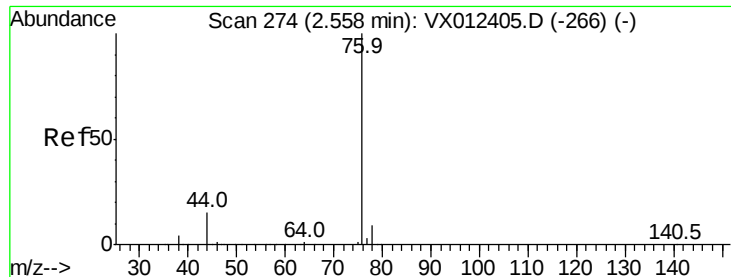
Delta R.T. -0.01 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Tgt Ion:	43	Resp:	105943
Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.5	35.3





#17

Carbon Disulfide

Concen: 12.904 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 29601

Ion Ratio Lower Upper

76 100

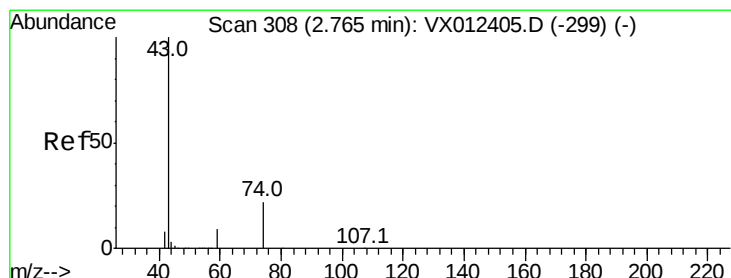
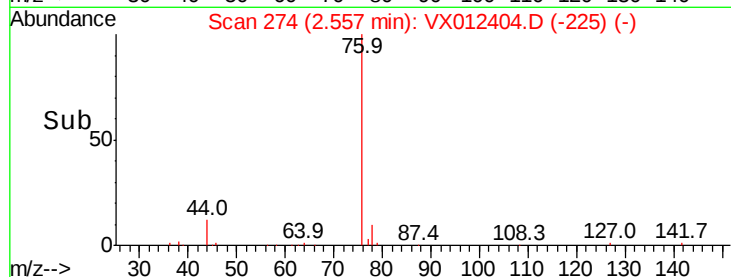
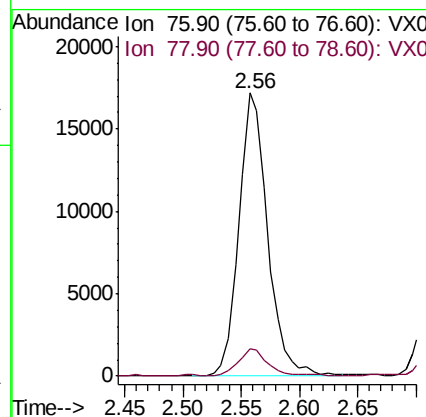
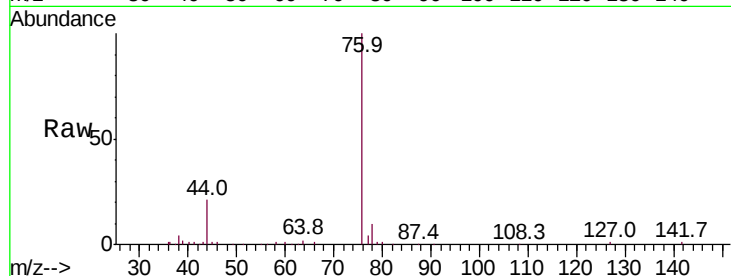
78 9.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 29.664 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012404.D

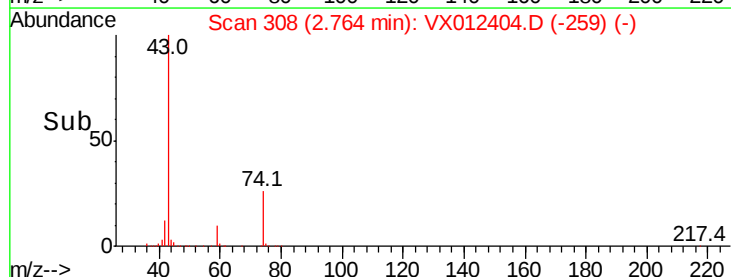
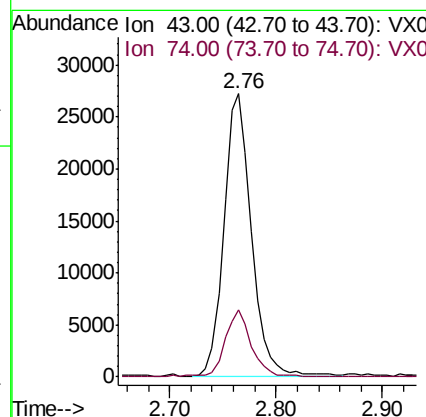
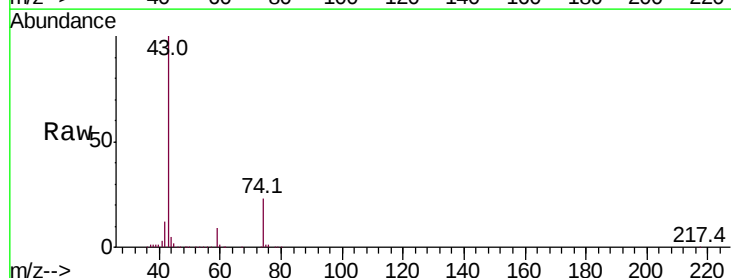
Acq: 16 Sep 2019 13:11

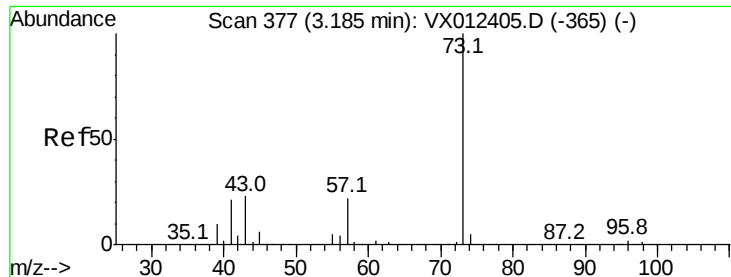
Tgt Ion: 43 Resp: 48382

Ion Ratio Lower Upper

43 100

74 23.0 18.2 27.2





#19

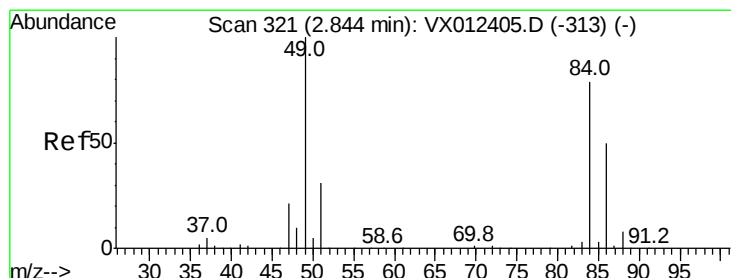
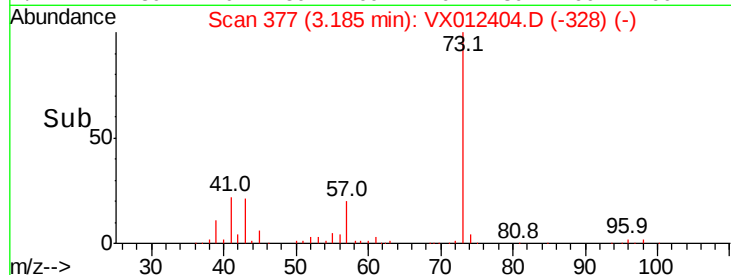
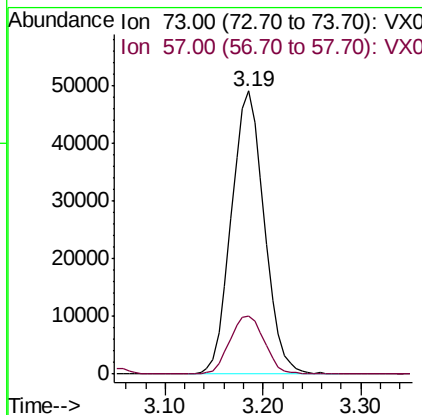
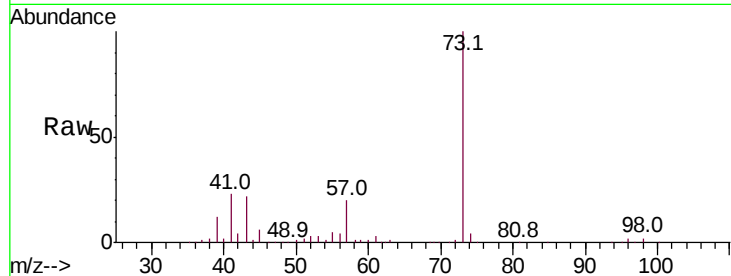
Methyl tert-butyl Ether
 Concen: 31.963 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.8	26.6

Manual Integrations
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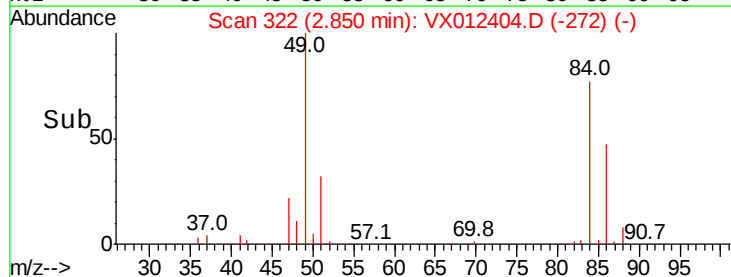
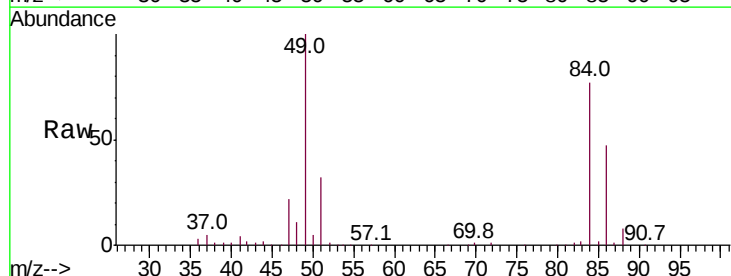
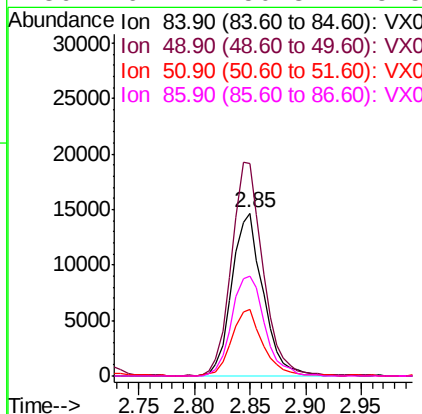
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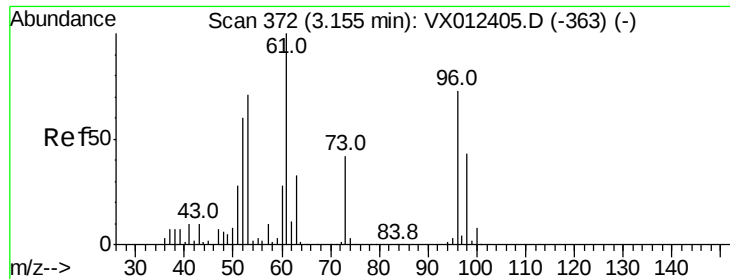


#20

Methylene Chloride
 Concen: 24.459 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.6	101.7	152.5
51	41.3	31.2	46.8
86	61.4	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 22.016 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 23537

Ion Ratio Lower Upper

96 100

61 135.5 109.7 164.5

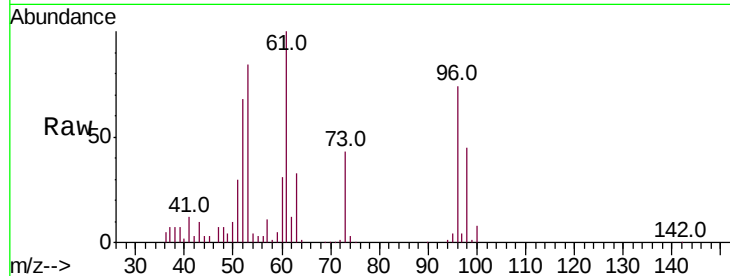
98 60.3 47.0 70.6

Manual Integrations

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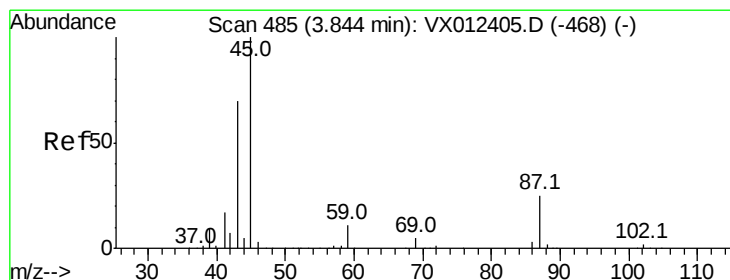
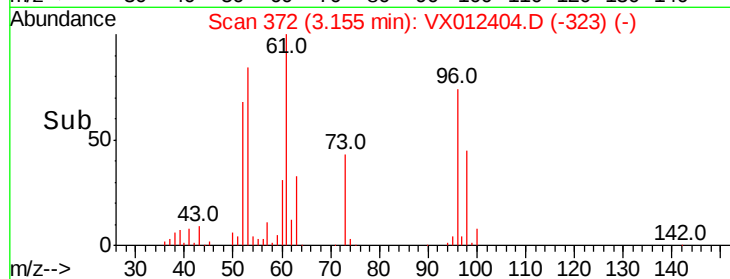
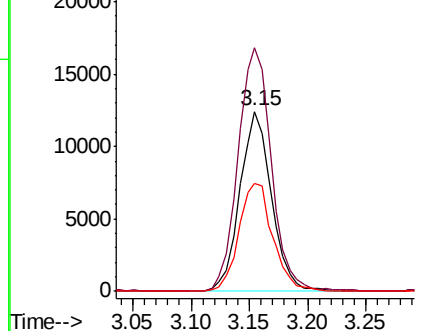
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 32.647 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Tgt Ion: 45 Resp: 112007

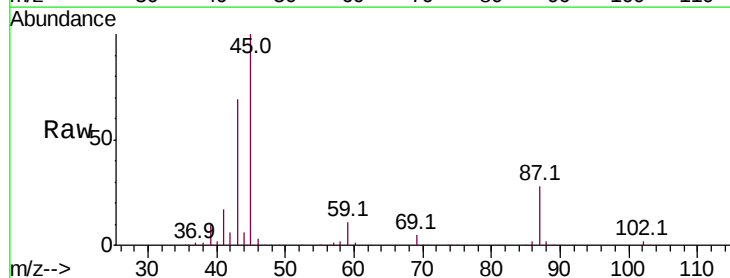
Ion Ratio Lower Upper

45 100

43 68.5 55.8 83.8

87 28.0 20.0 30.0

59 11.0 8.4 12.6

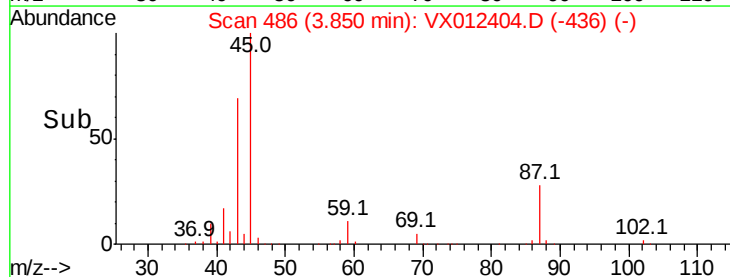
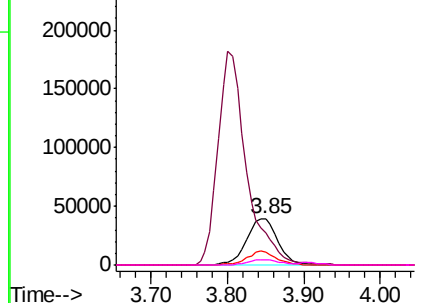


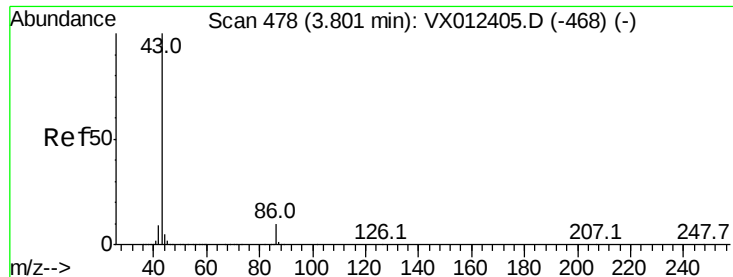
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 165.809 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 473475

Ion Ratio Lower Upper

43 100

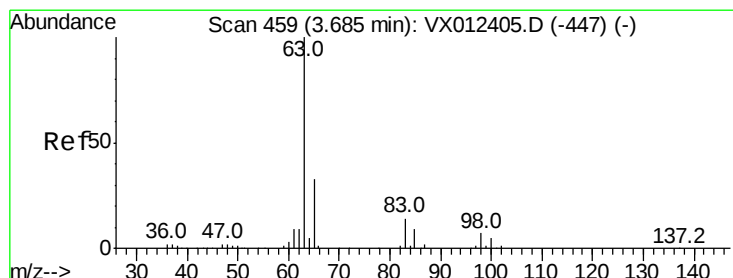
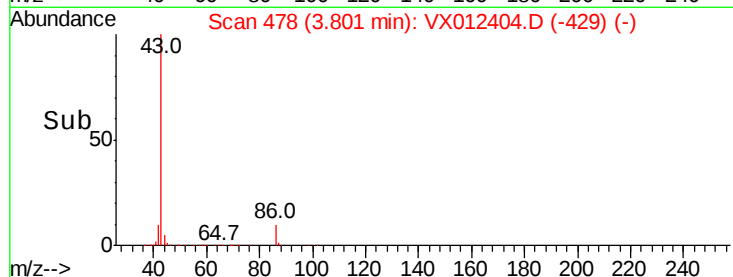
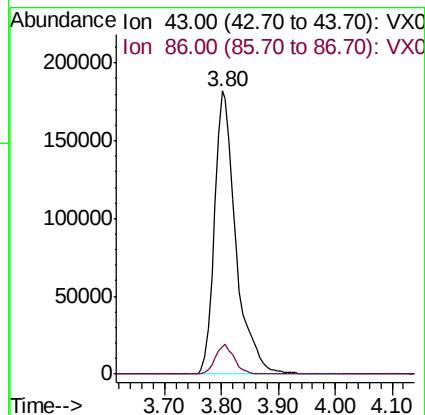
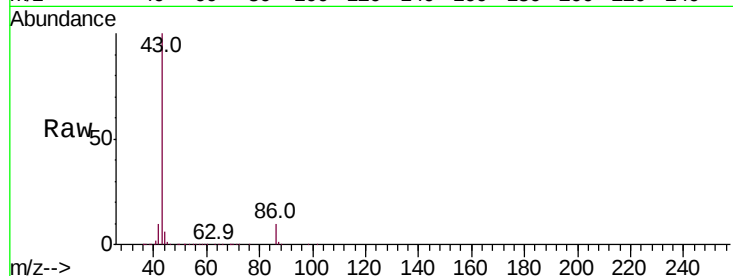
86 9.8 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 29.525 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

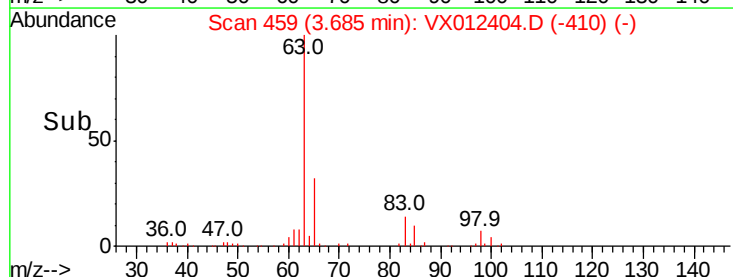
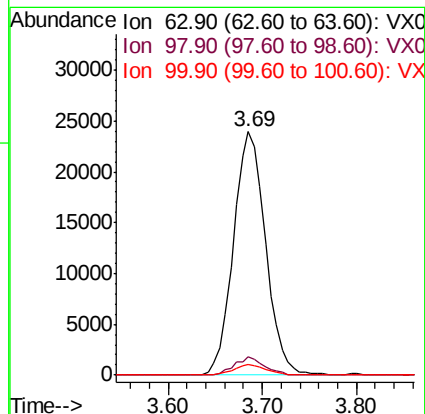
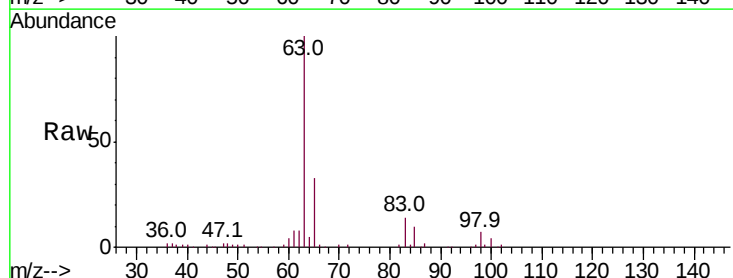
Tgt Ion: 63 Resp: 56841

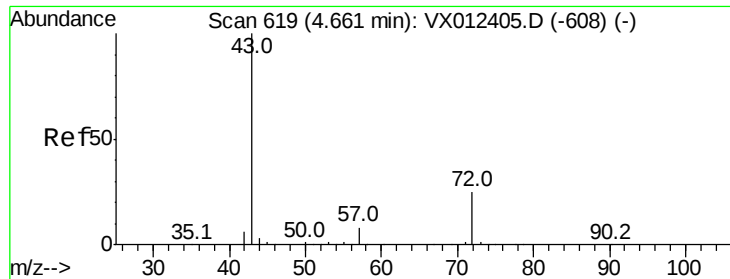
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

100 4.5 2.5 7.5





#25

2-Butanone

Concen: 170.869 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 156983

Ion Ratio Lower Upper

43 100

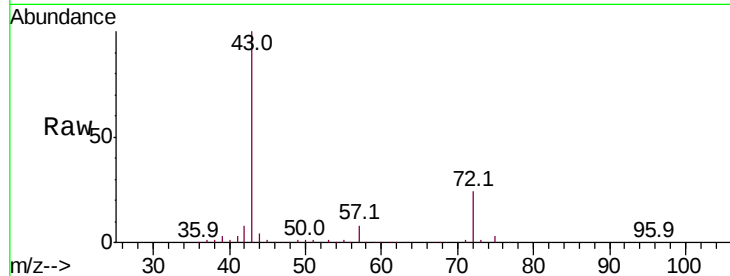
72 23.4 19.8 29.6

Manual Integrations

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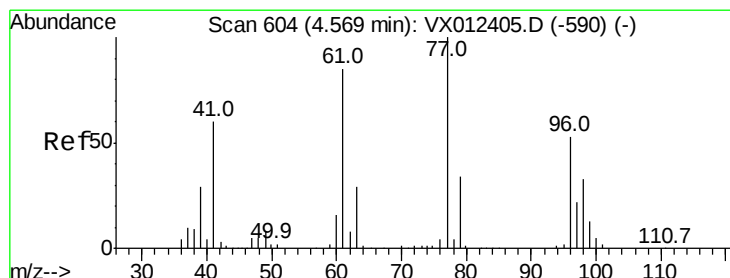
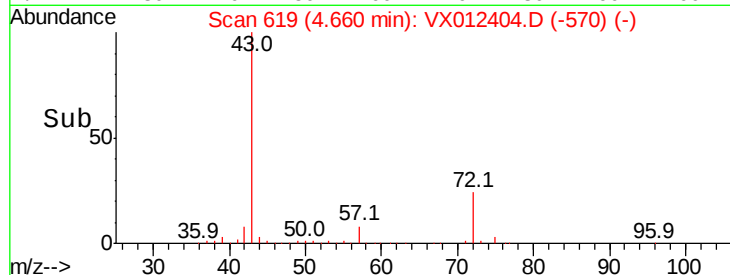
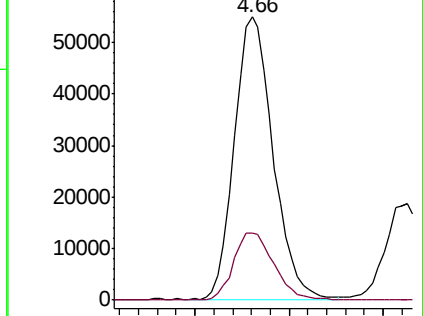
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 31.686 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012404.D

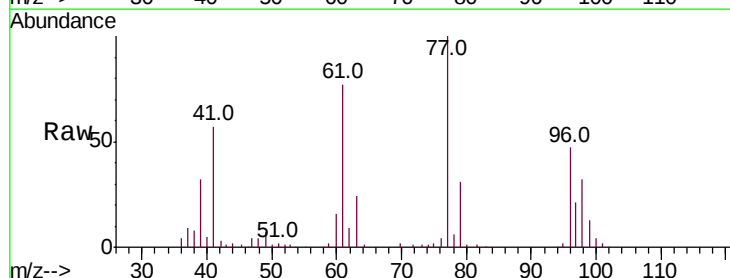
Acq: 16 Sep 2019 13:11

Tgt Ion: 77 Resp: 53609

Ion Ratio Lower Upper

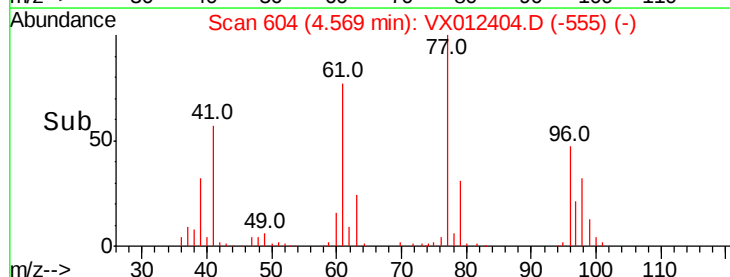
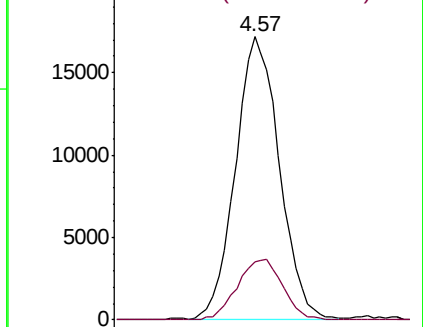
77 100

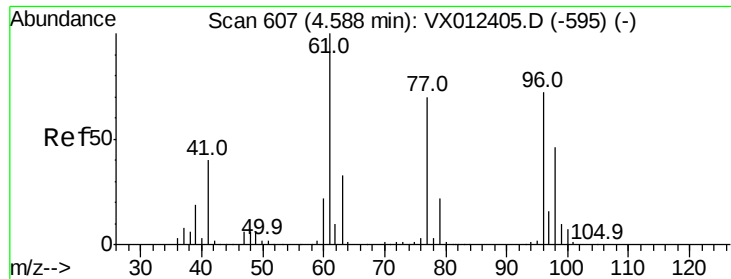
97 22.0 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

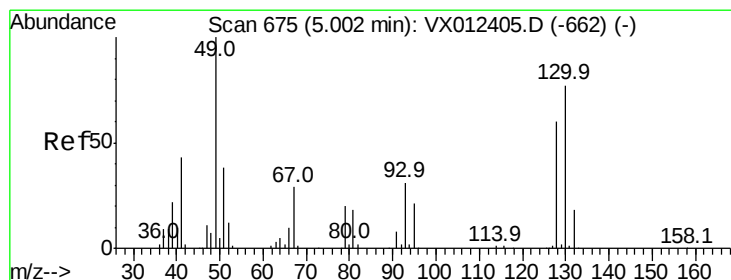
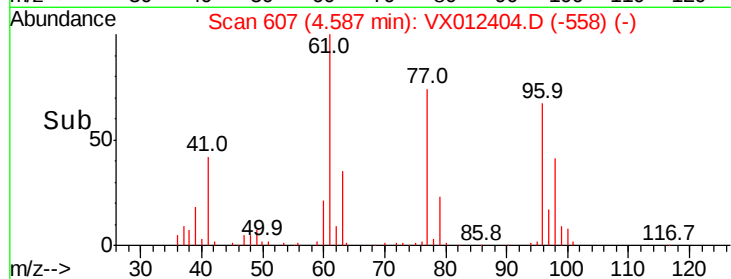
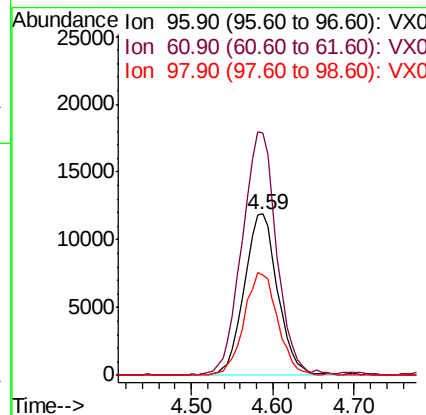
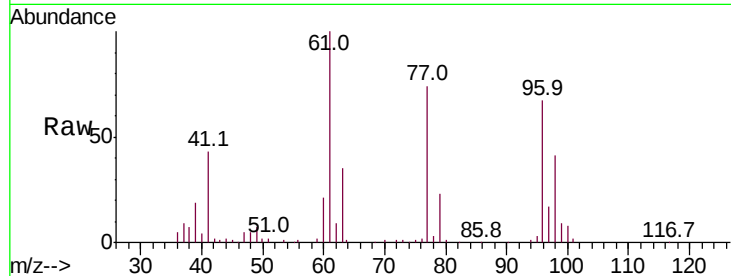
cis-1,2-Dichloroethene
Concen: 26.318 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.2	0.0	307.6
98	63.3	0.0	129.8

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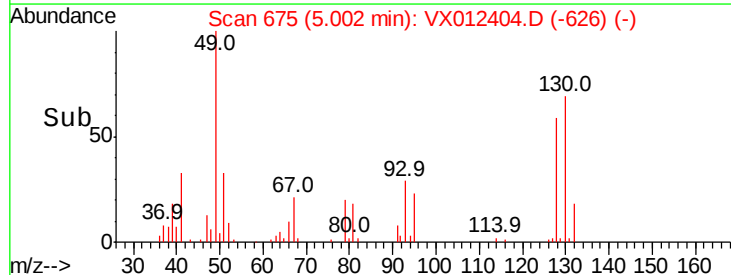
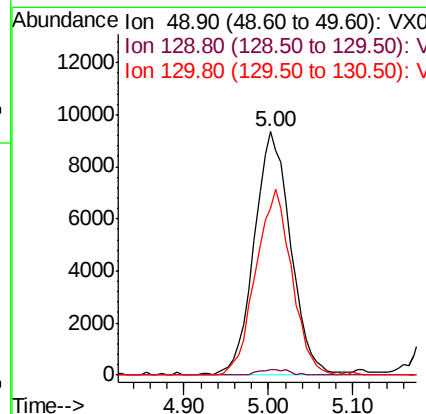
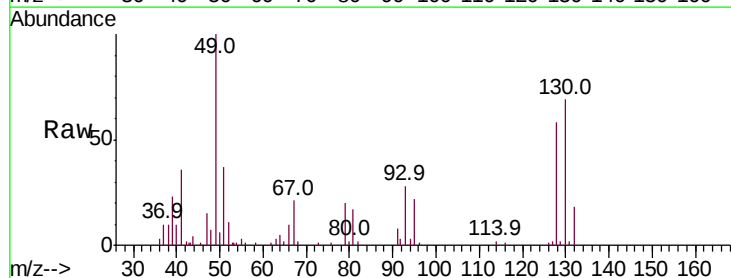
MMDadoda
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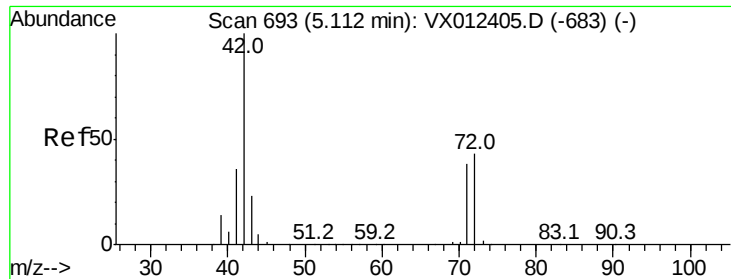


#28

Bromochloromethane
Concen: 30.992 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	75.1	61.3	91.9





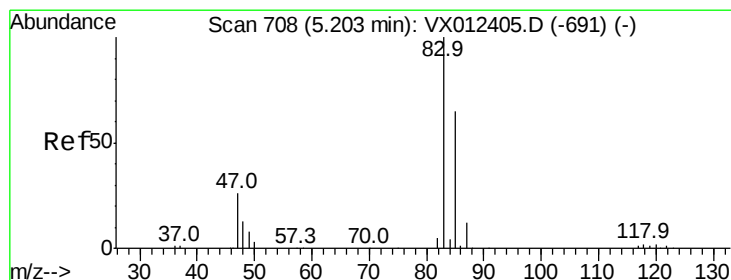
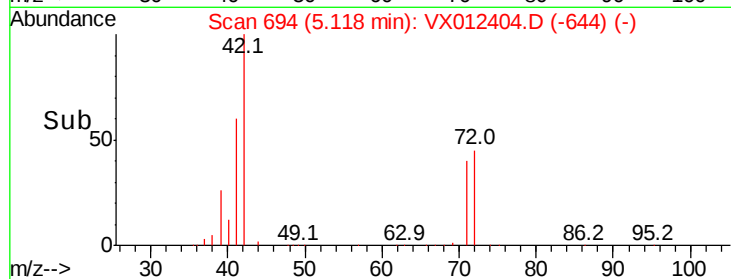
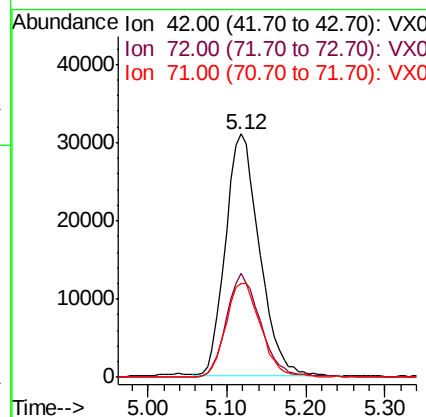
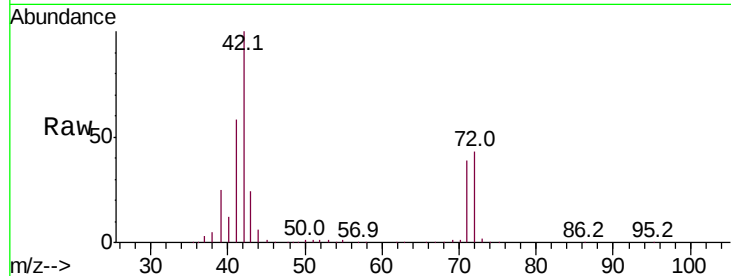
#29
Tetrahydrofuran
Concen: 162.321 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.9	52.3
71	40.1	32.6	48.8

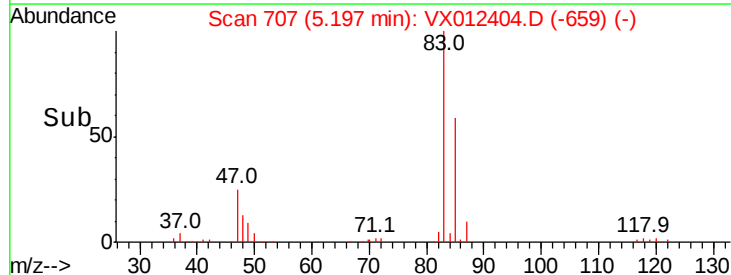
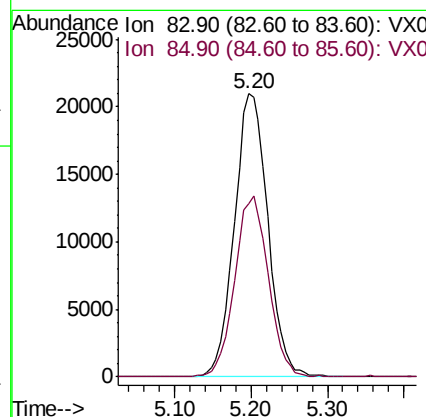
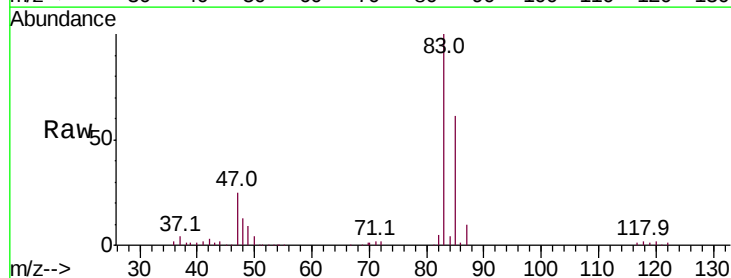
Manual Integrations
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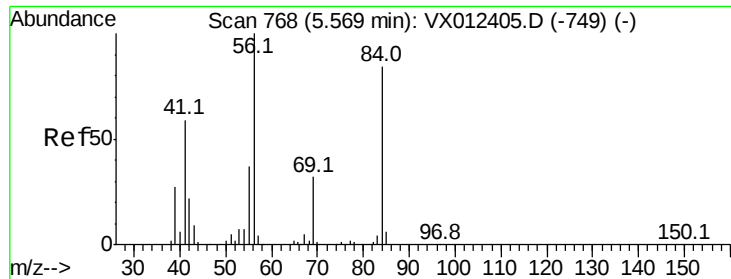
MMDadoda
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#30
Chloroform
Concen: 29.990 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.9	77.9





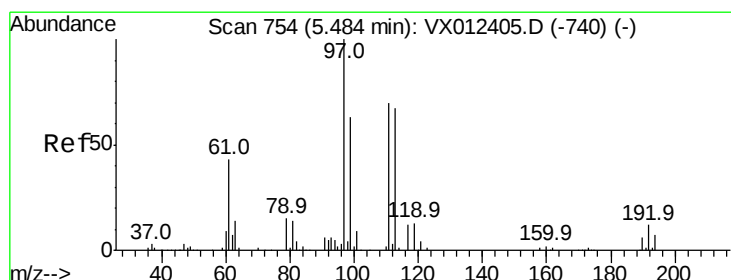
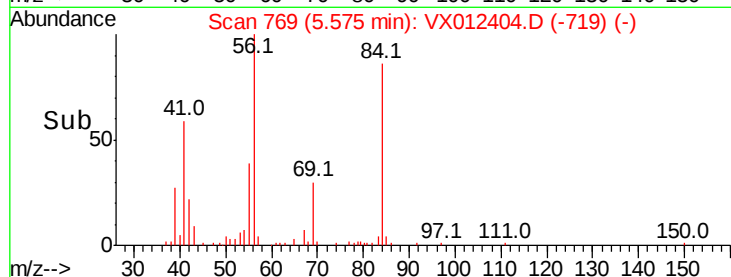
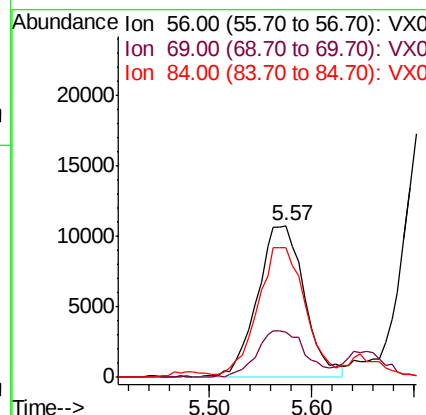
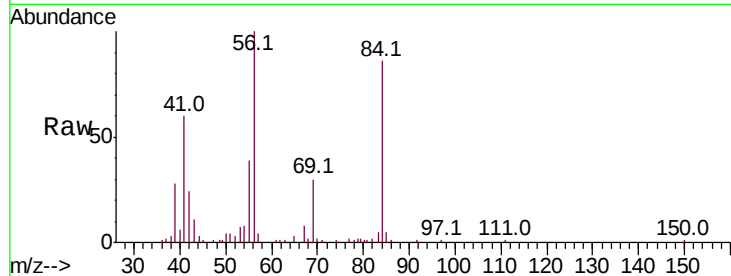
#31
Cyclohexane
Concen: 22.021 ug/l
RT: 5.57 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.9	37.3
84	82.0	67.2	100.8

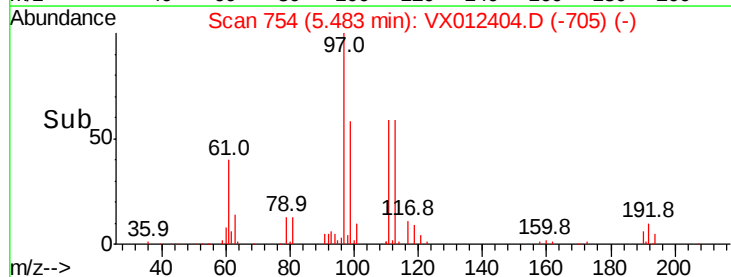
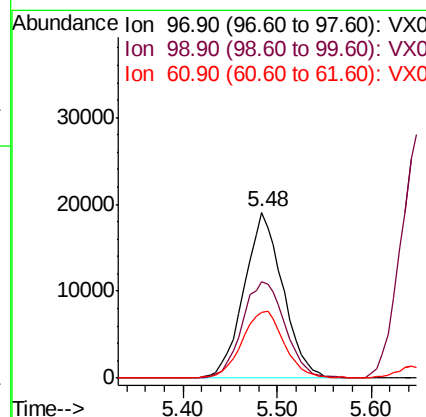
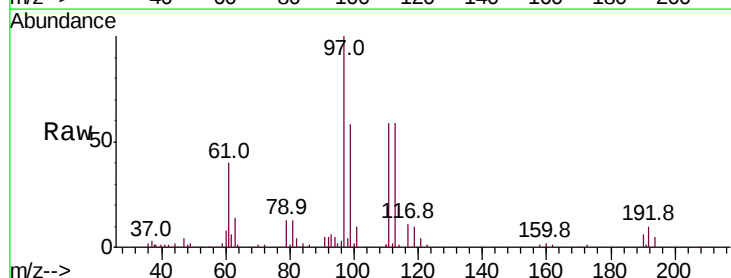
Manual Integrations
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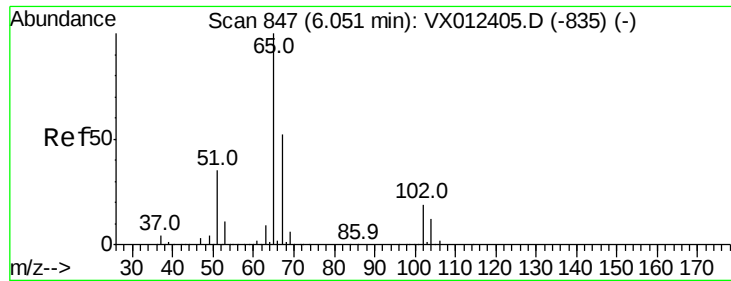
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#32
1,1,1-Trichloroethane
Concen: 30.064 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	44.1	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 30.447 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 45709

Ion Ratio Lower Upper

65 100

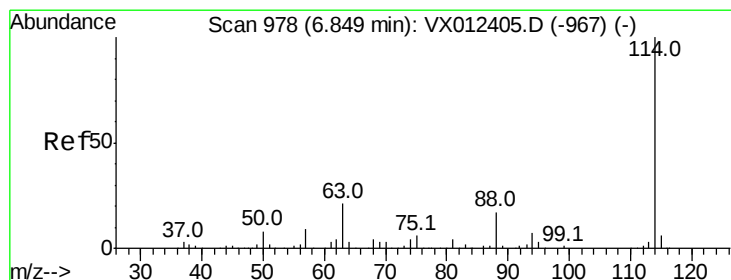
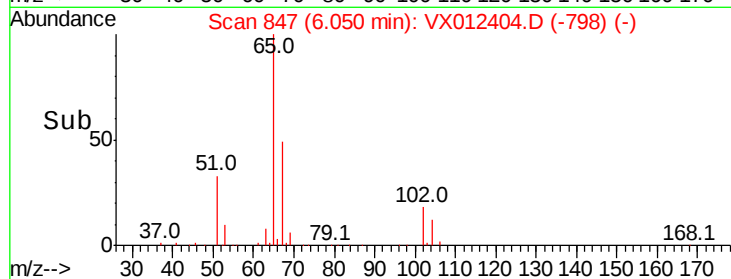
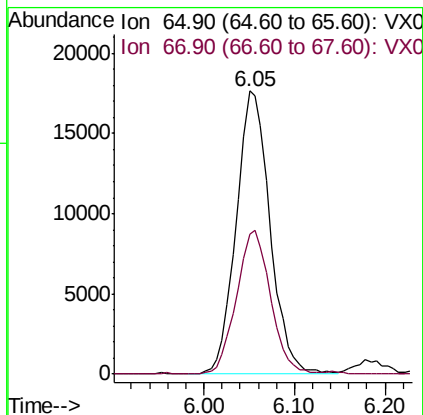
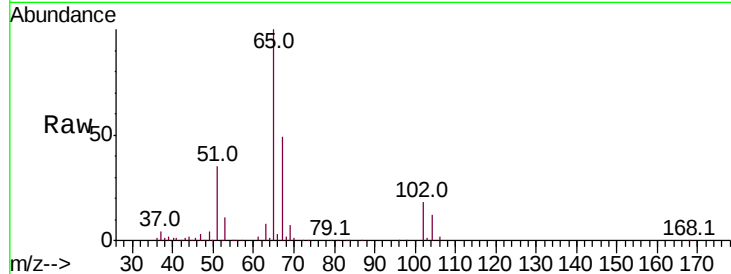
67 51.1 0.0 102.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

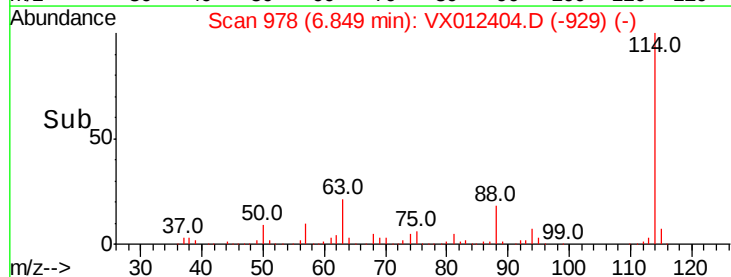
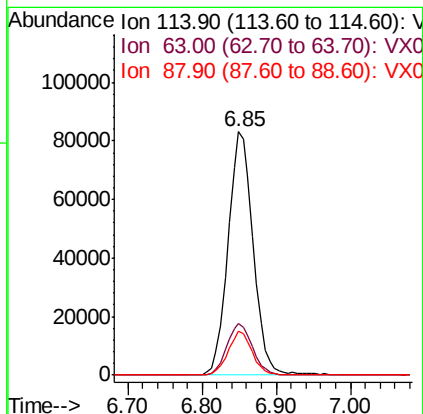
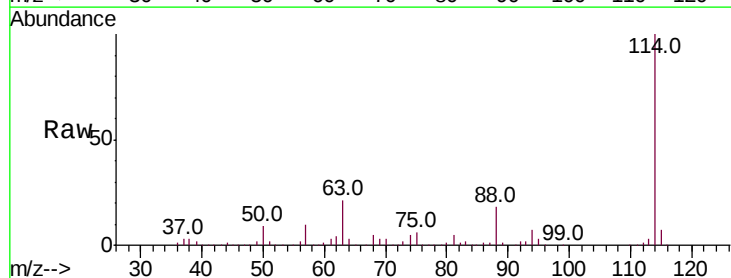
Tgt Ion:114 Resp: 196126

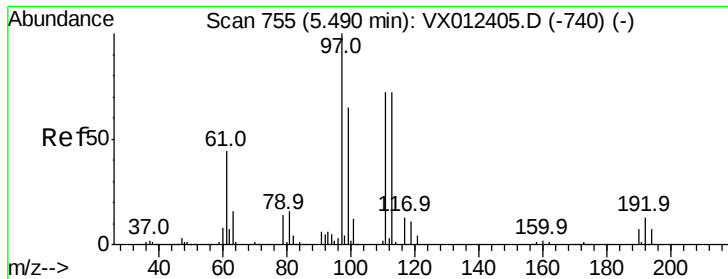
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

88 18.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 23.883 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

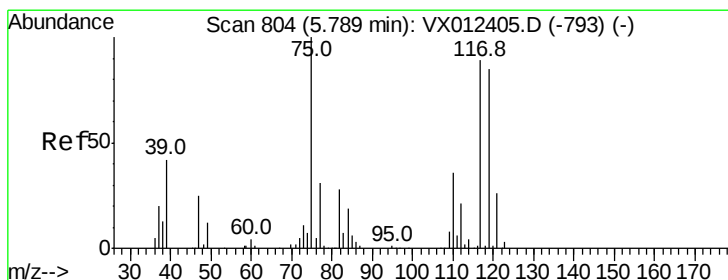
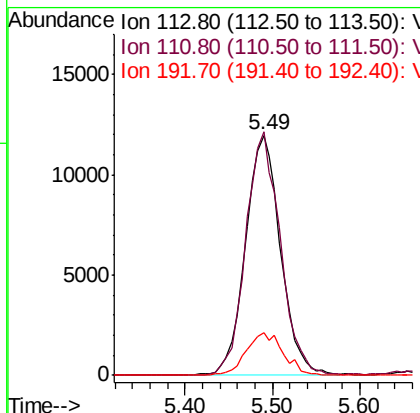
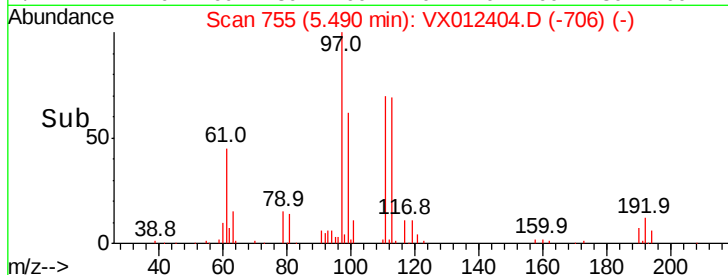
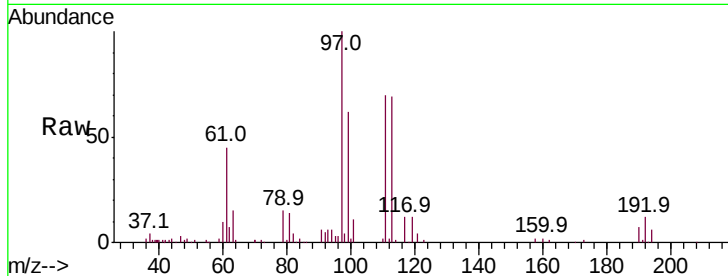
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	33351
Ion Ratio	Lower	Upper	
113	100		
111	100.0	81.8	122.6
192	18.5	15.0	22.4

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#36

1,1-Dichloropropene

Concen: 21.927 ug/l

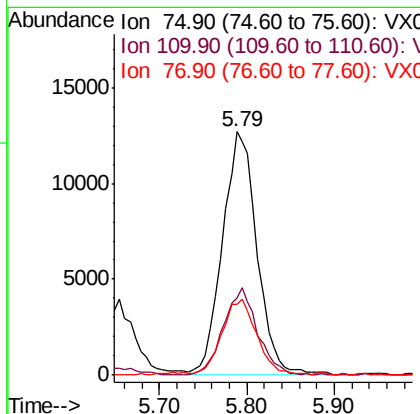
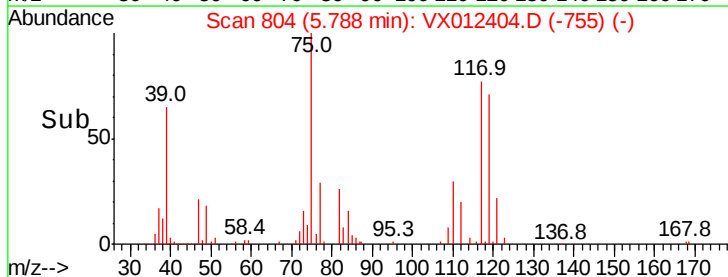
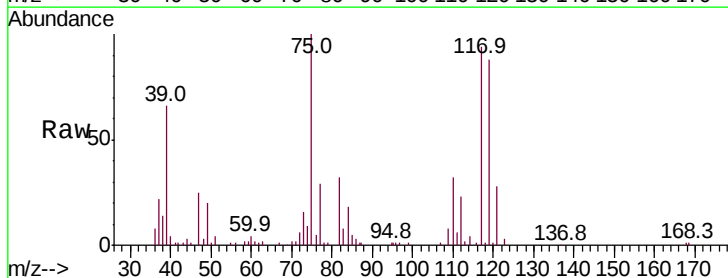
RT: 5.79 min Scan# 804

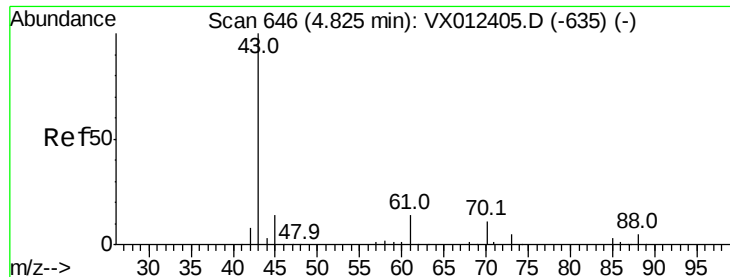
Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Tgt Ion:	75	Resp:	34921
Ion Ratio	Lower	Upper	
75	100		
110	35.1	17.4	52.2
77	31.4	24.8	37.2





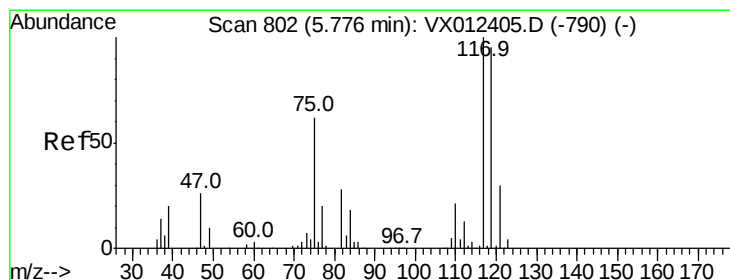
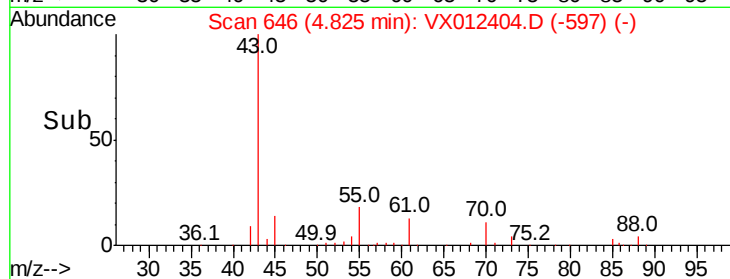
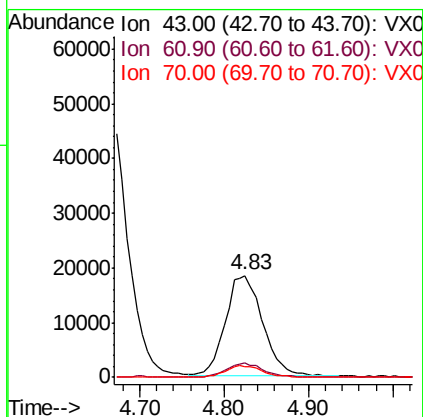
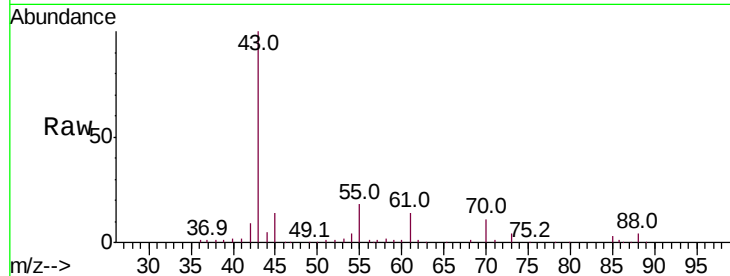
#37
Ethyl Acetate
Concen: 30.310 ug/l
RT: 4.83 min Scan# 646
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.2	16.8
70	11.9	9.0	13.6

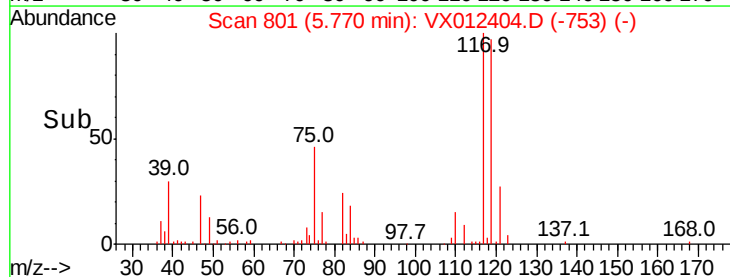
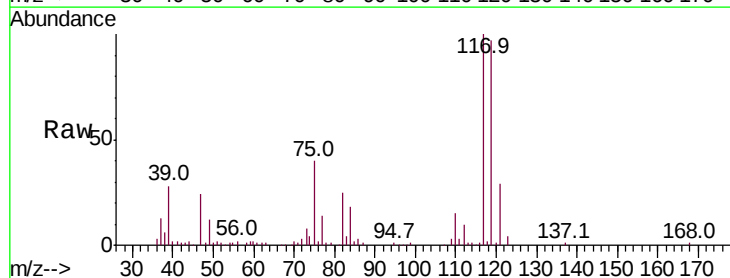
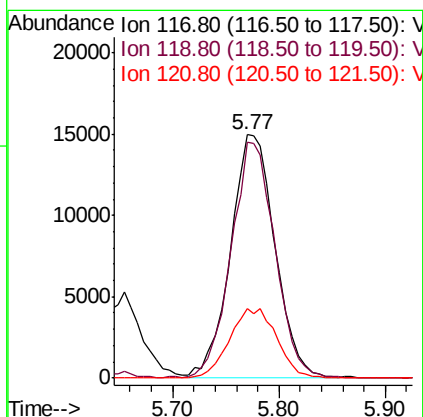
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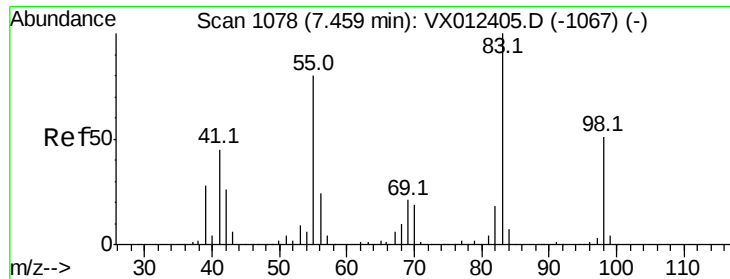
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#38
Carbon Tetrachloride
Concen: 23.661 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
121	28.8	23.8	35.6





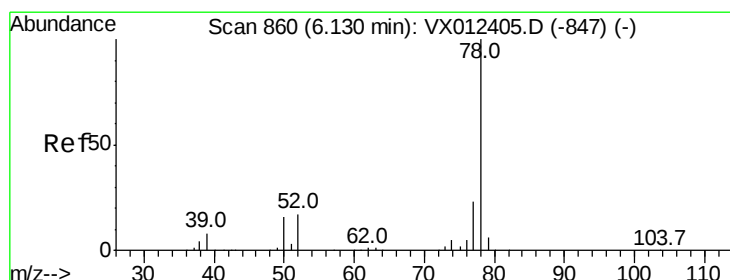
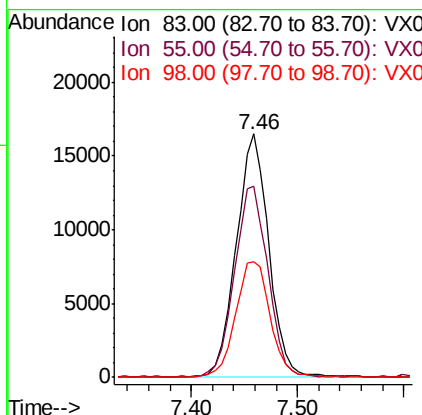
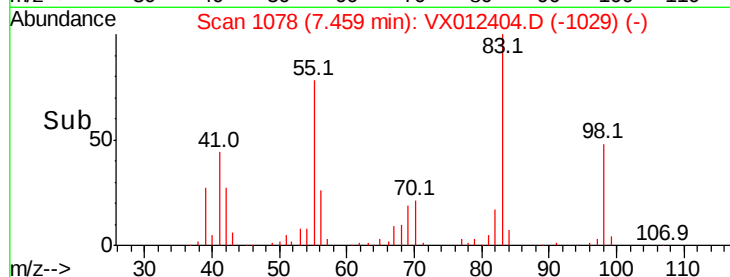
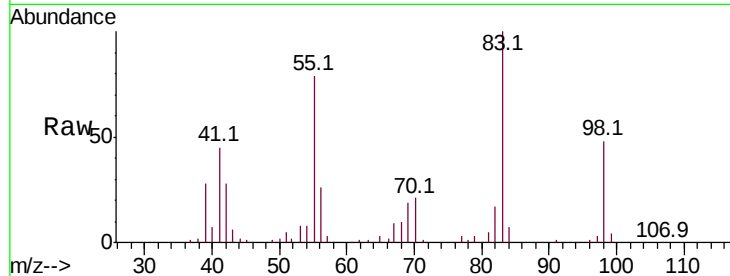
#39
Methvlcvclohexane
Concen: 18.751 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.4	63.8	95.6	
98	47.6	40.6	61.0	

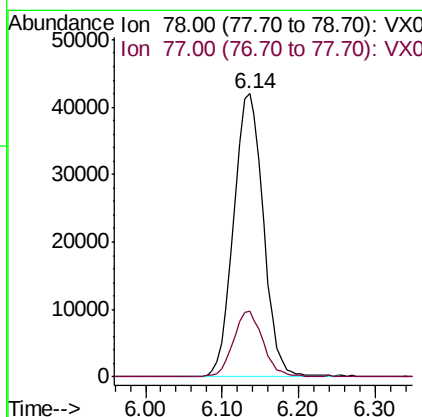
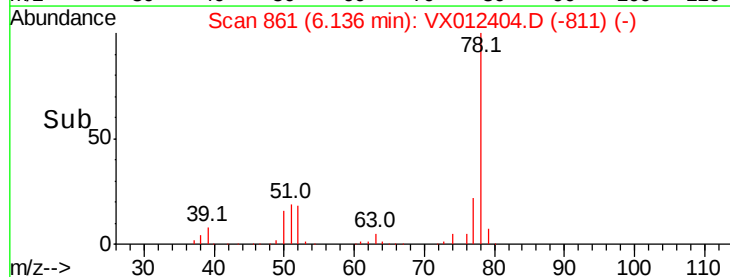
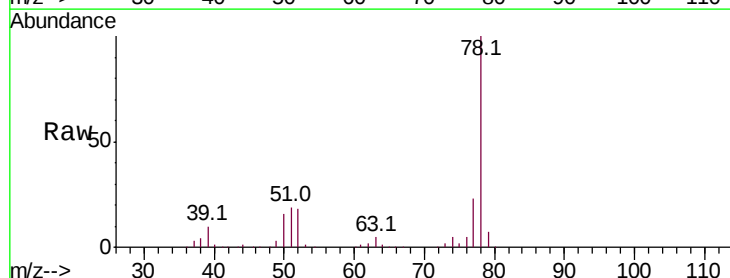
Manual Integrations
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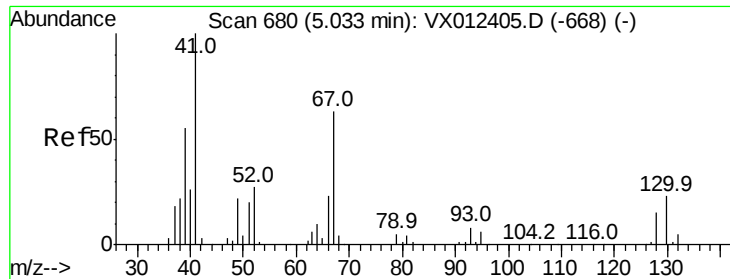
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#40
Benzene
Concen: 22.696 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.2	27.2	





#41

Methacrylonitrile

Concen: 29.169 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 31656
Ion Ratio Lower Upper

41 100

39 58.5 44.4 66.6

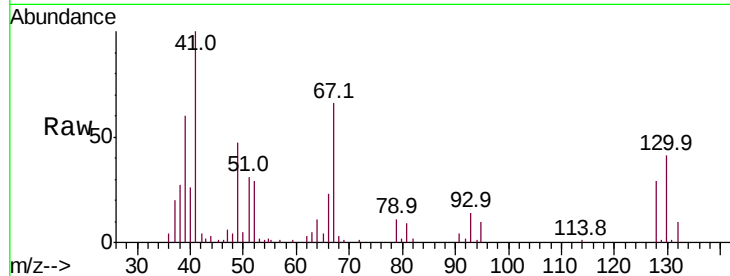
67 70.4 53.8 80.8

52 30.6 22.2 33.4

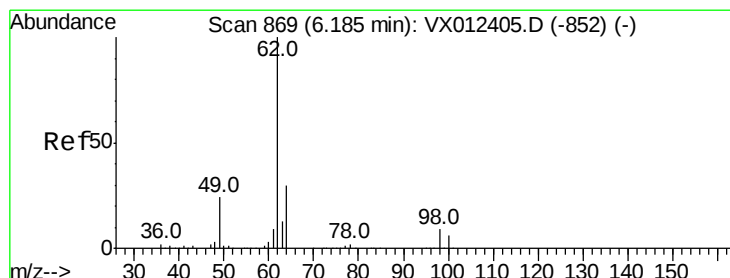
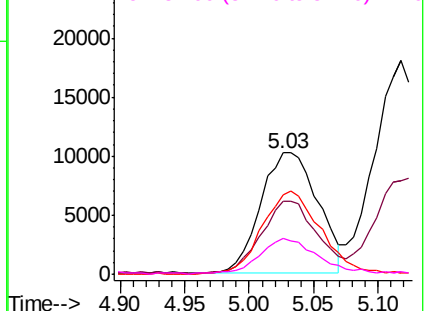
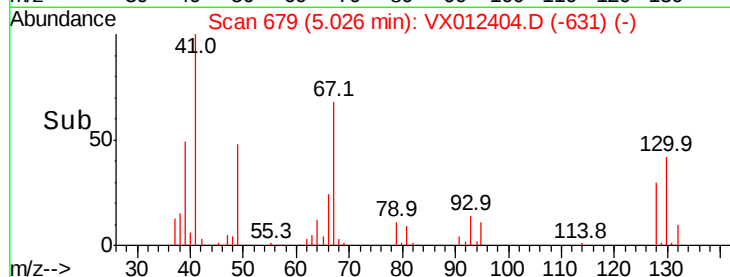
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 26.805 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

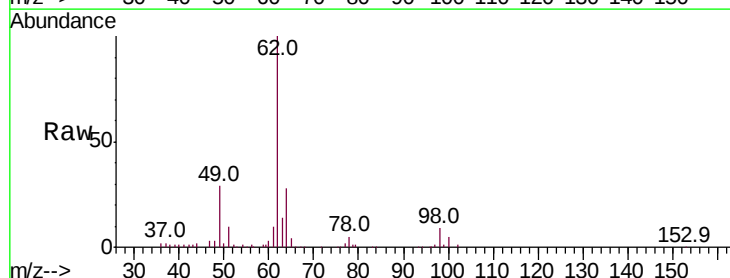
Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

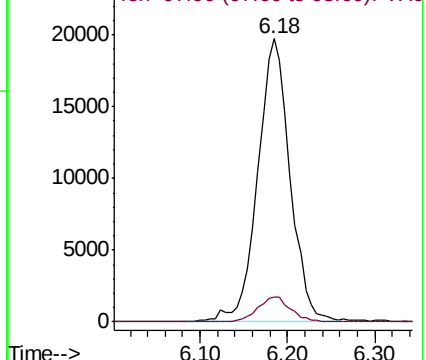
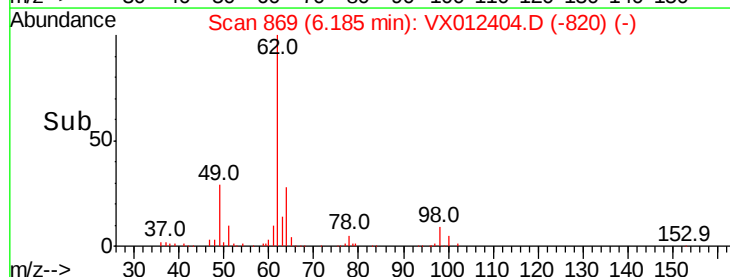
Tgt Ion: 62 Resp: 50886
Ion Ratio Lower Upper

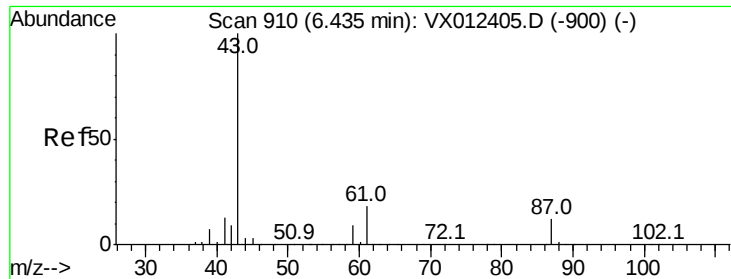
62 100

98 9.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





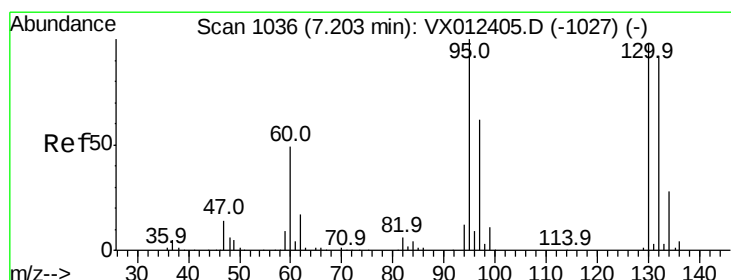
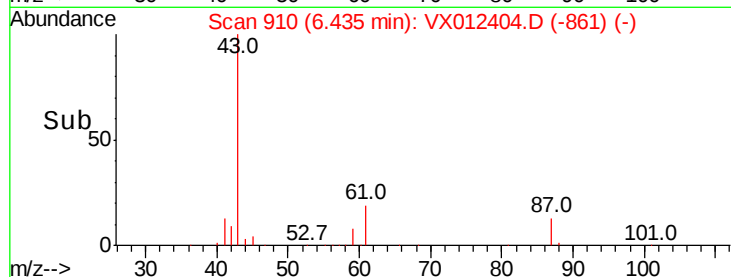
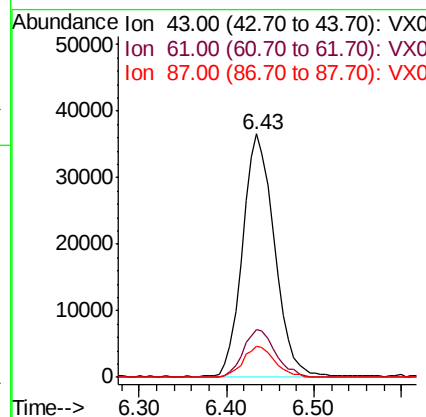
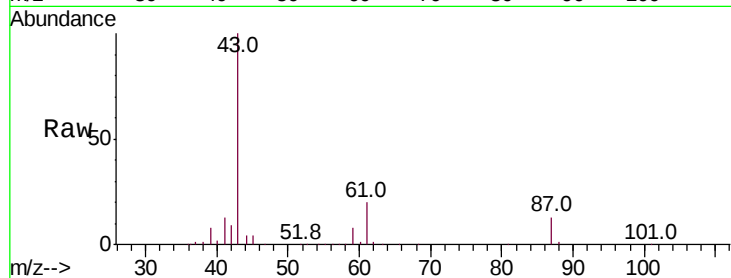
#43
Isopropyl Acetate
Concen: 30.481 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	92067
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.5	23.3
87	12.8	10.0	15.0

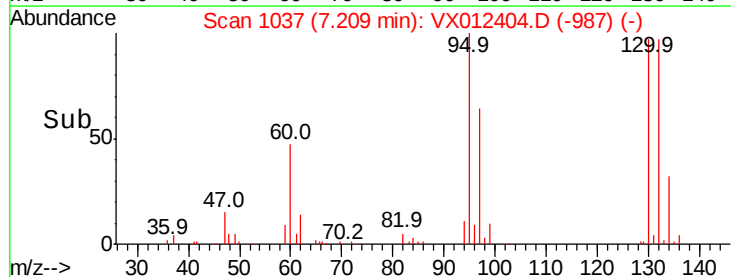
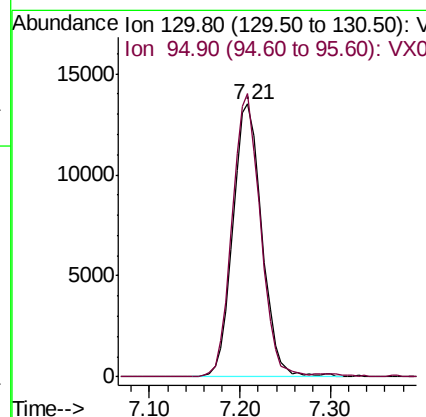
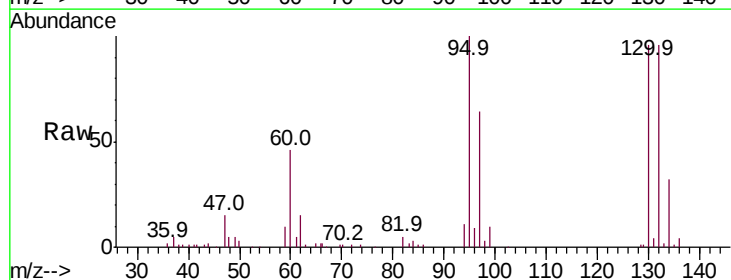
Manual Integrations
APPROVED

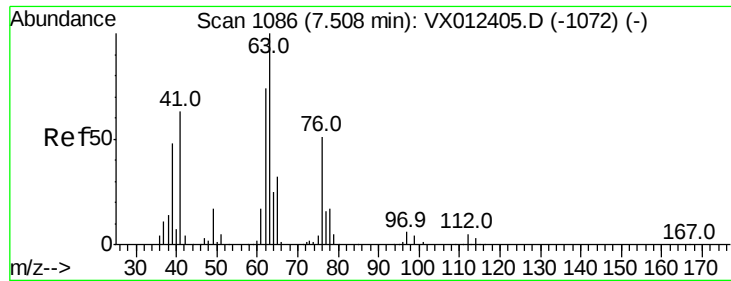
MMDadoda
9/23/2019 5:04:07 PM



#44
Trichloroethene
Concen: 20.085 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion:	130	Resp:	29991
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.2





#45

1,2-Dichloropropane

Concen: 26.142 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 33692

Ion Ratio Lower Upper

63 100

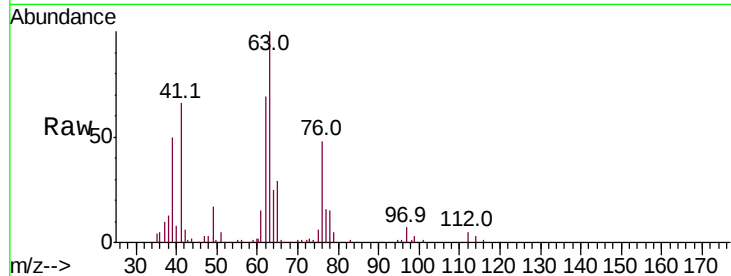
65 28.9 25.6 38.4

Manual Integrations

APPROVED

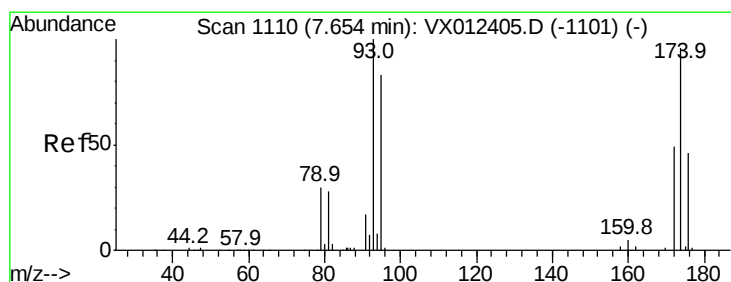
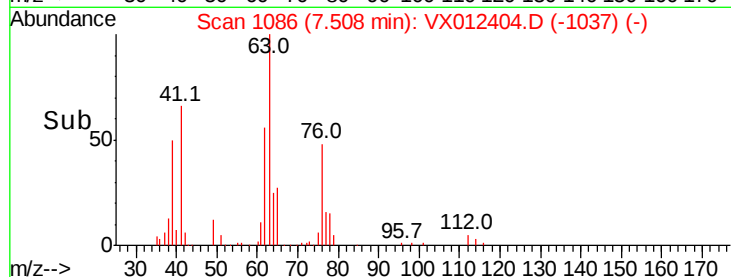
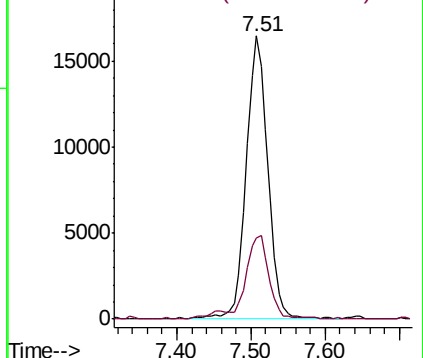
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 23.613 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

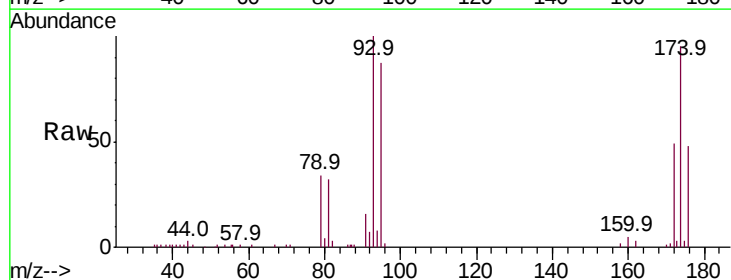
Tgt Ion: 93 Resp: 22067

Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.2

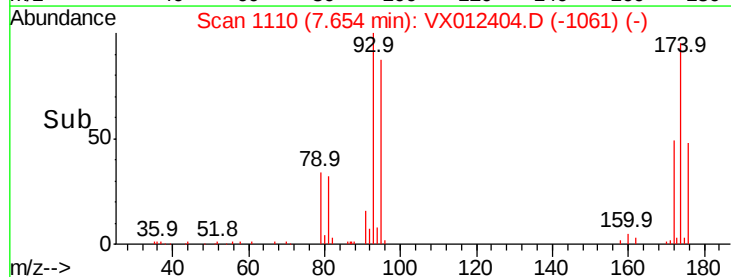
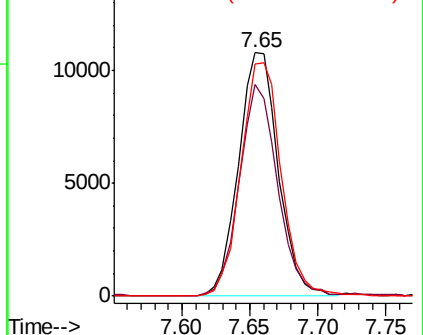
174 97.3 78.6 118.0

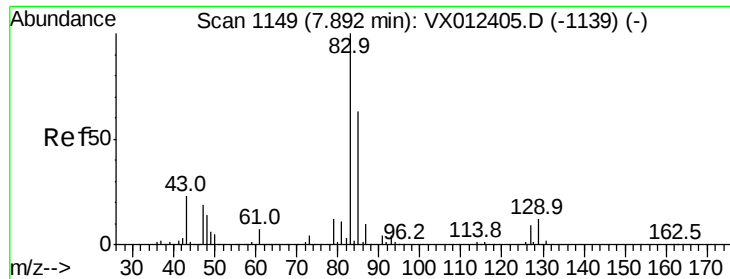


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





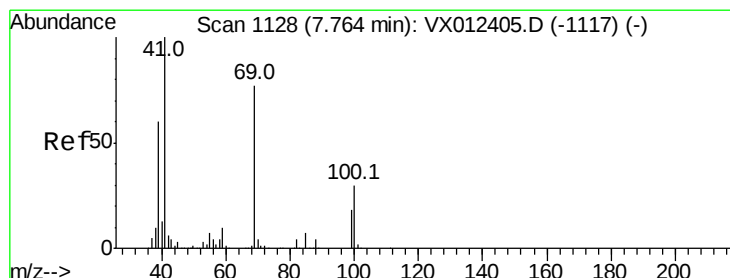
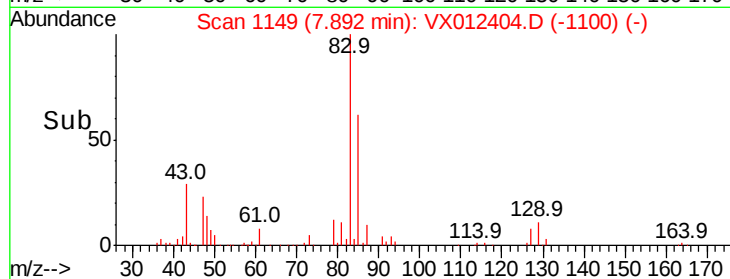
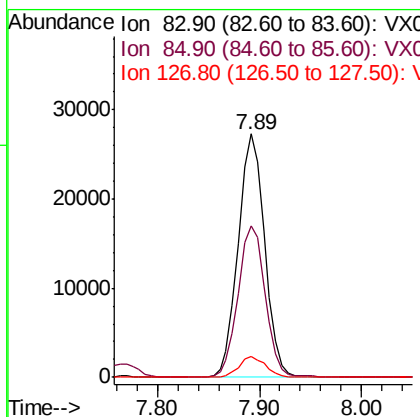
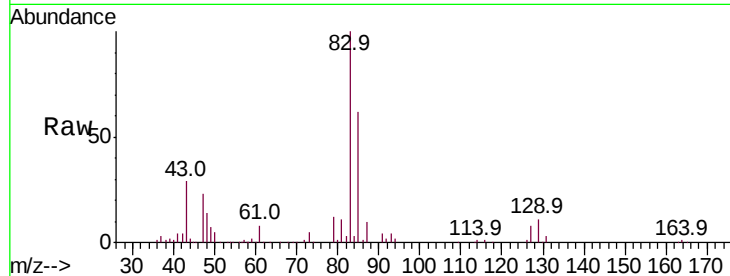
#47
Bromodichloromethane
Concen: 27.802 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	49141
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	50.2	75.4
127	8.4	6.9	10.3

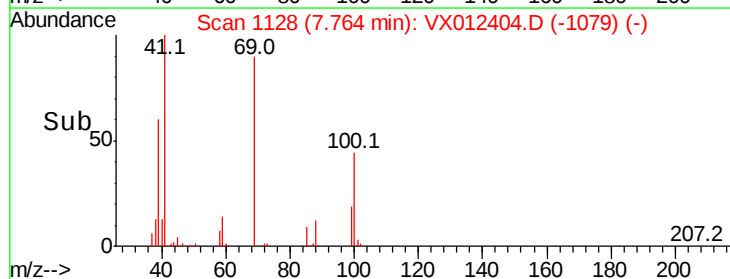
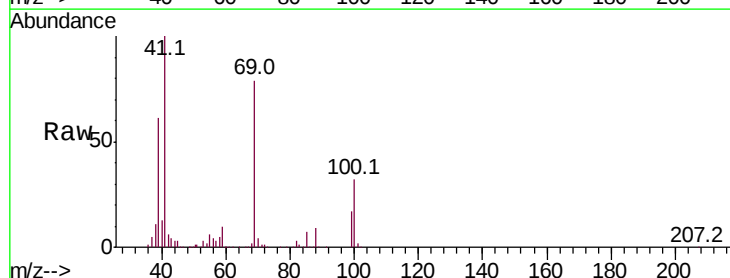
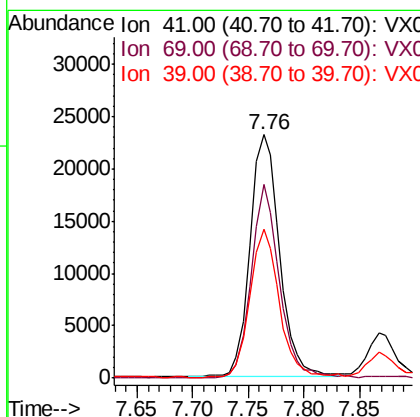
Manual Integrations
APPROVED

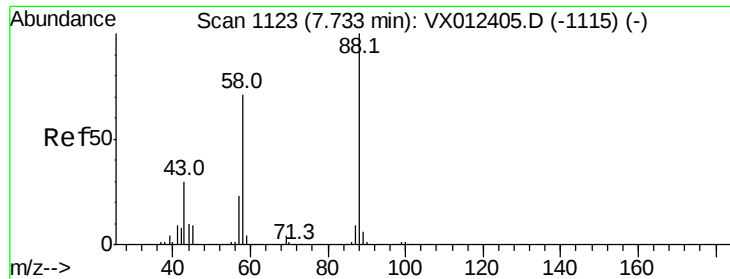
MMDadoda
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#48
Methyl methacrylate
Concen: 29.051 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	41	Resp	42941
Ion Ratio	100	Lower	Upper
41	100		
69	76.2	61.6	92.4
39	61.4	47.6	71.4





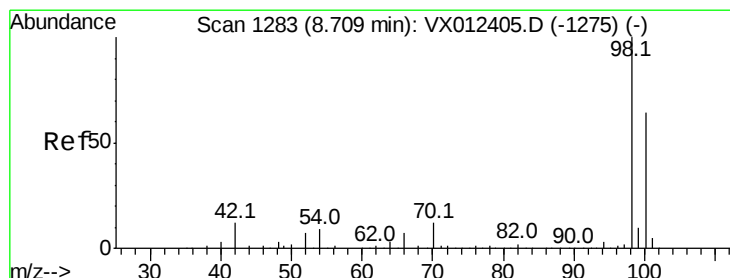
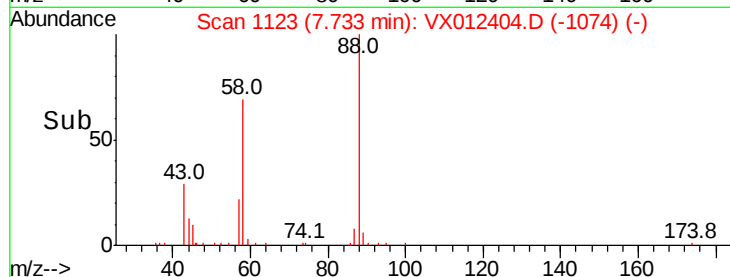
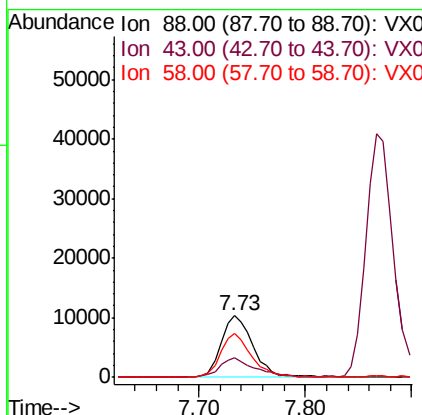
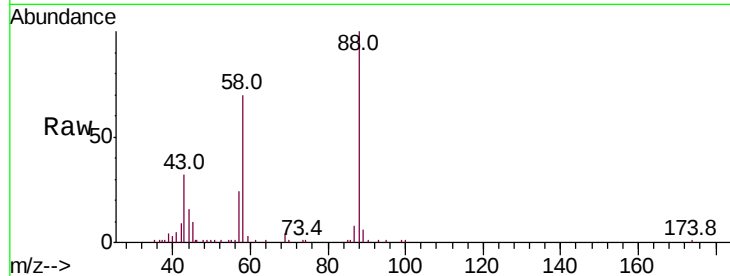
#49
1,4-Dioxane
Concen: 540.508 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.1	57.1	85.7

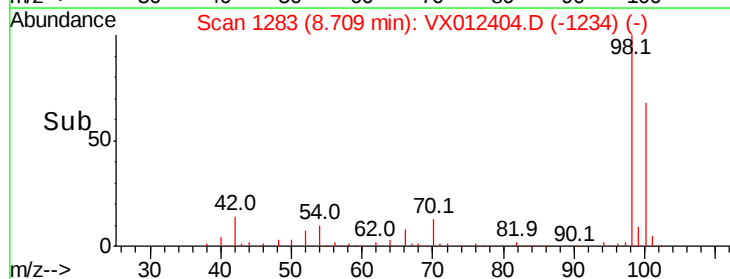
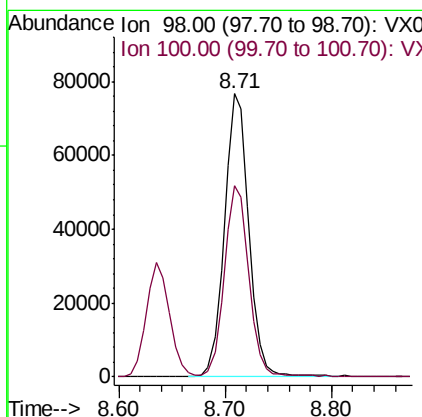
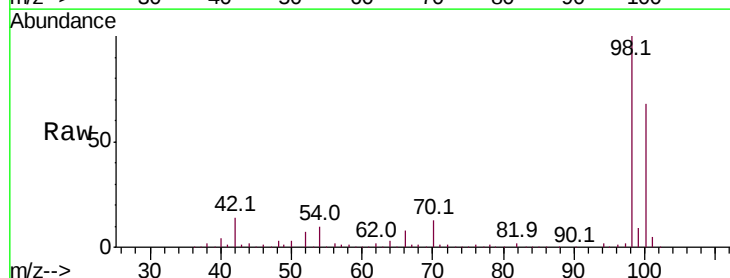
Manual Integrations
APPROVED

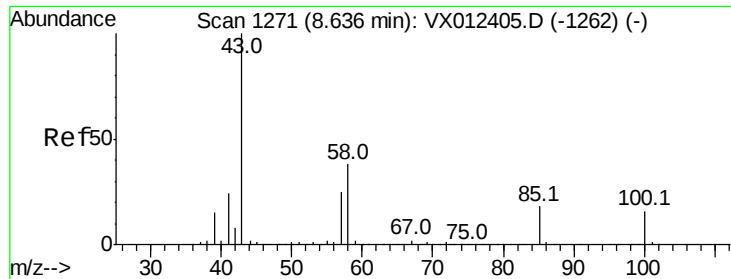
MMDadoda
9/23/2019 5:04:07 PM



#50
Toluene-d8
Concen: 25.111 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.7	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 153.987 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 306750

Ion Ratio Lower Upper

43 100

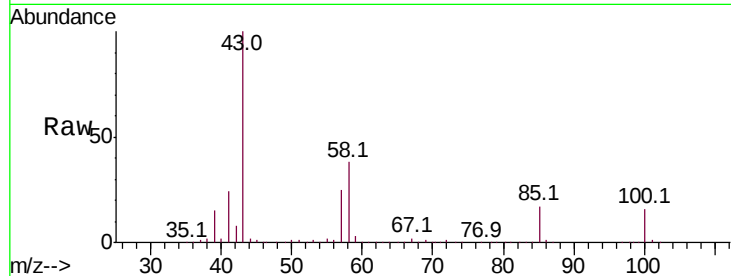
58 37.2 30.2 45.4

Manual Integrations

APPROVED

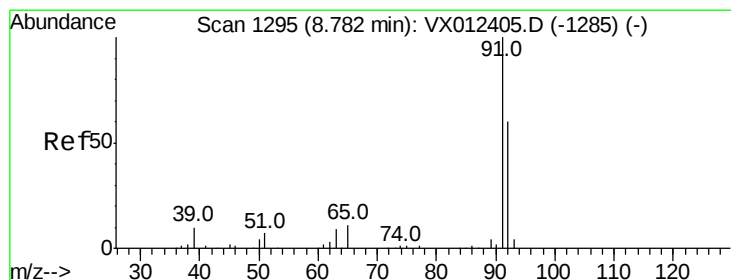
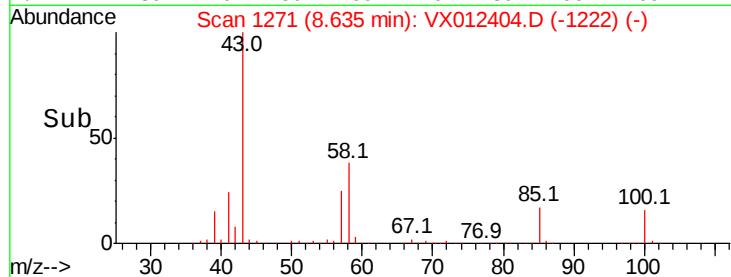
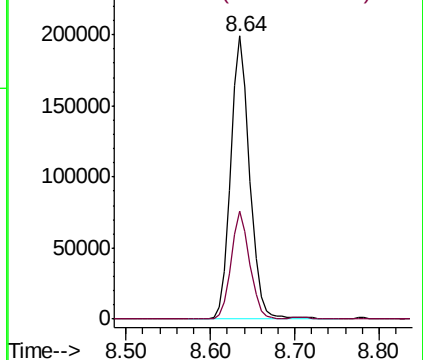
MMDadoda

9/23/2019 5:04:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 22.696 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012404.D

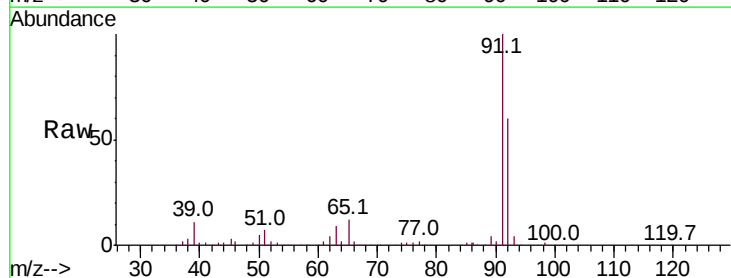
Acq: 16 Sep 2019 13:11

Tgt Ion: 92 Resp: 73055

Ion Ratio Lower Upper

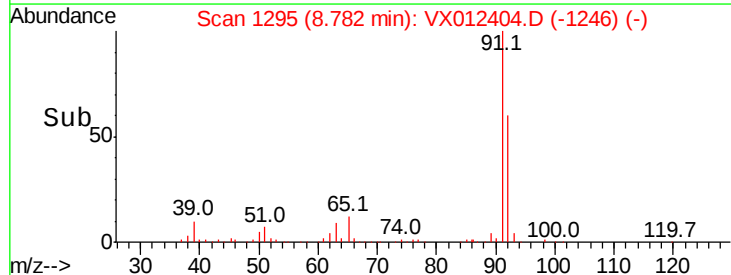
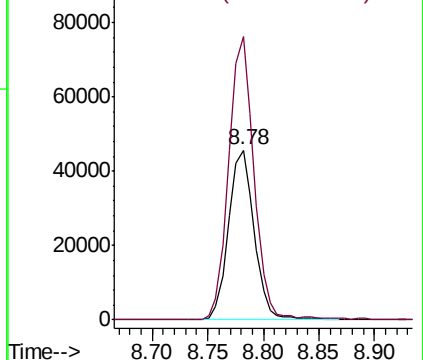
92 100

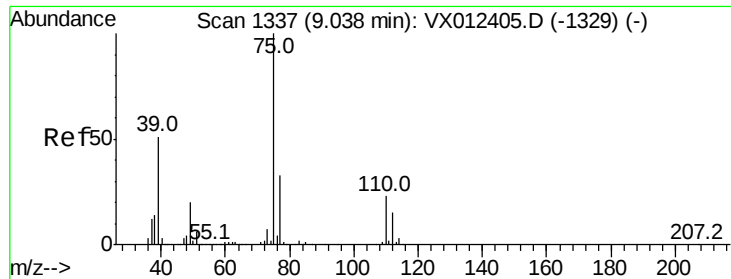
91 164.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 27.400 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

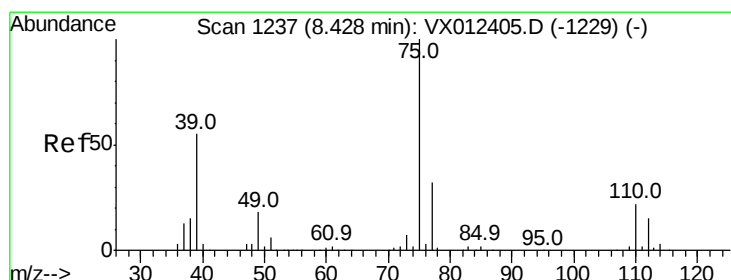
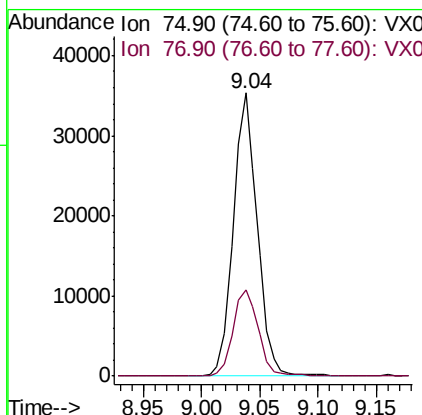
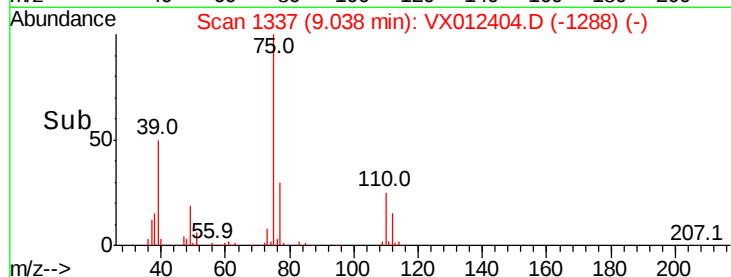
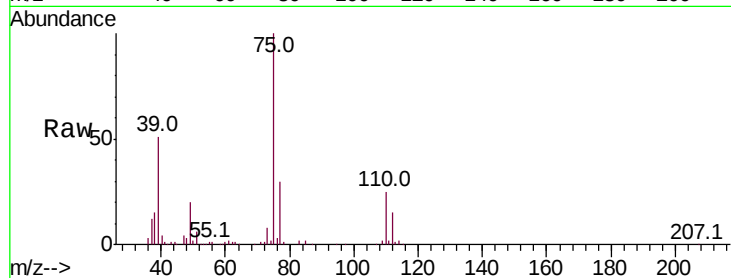
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 50612

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.1	39.1

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 27.024 ug/l

RT: 8.43 min Scan# 1237

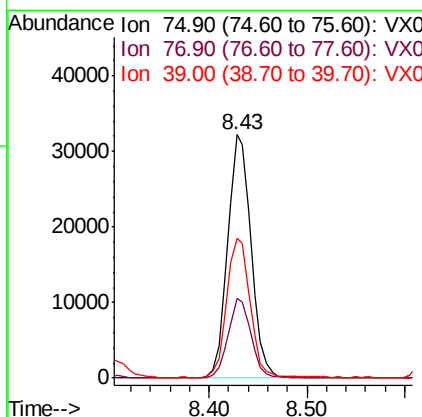
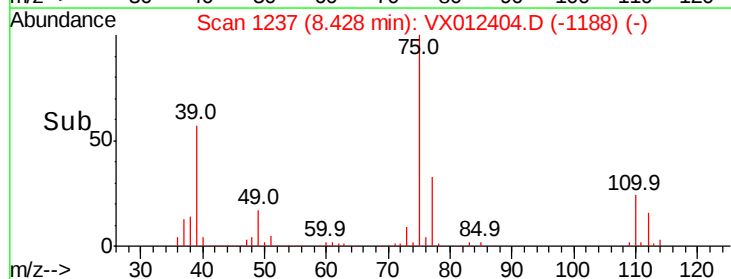
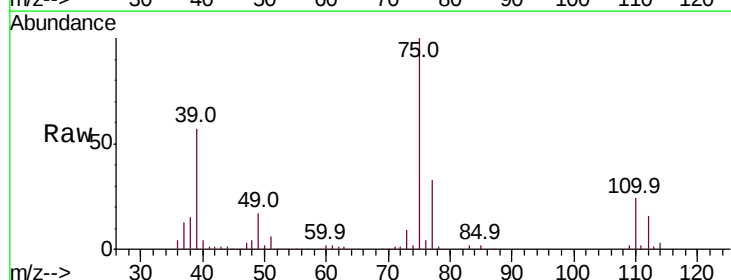
Delta R.T. -0.00 min

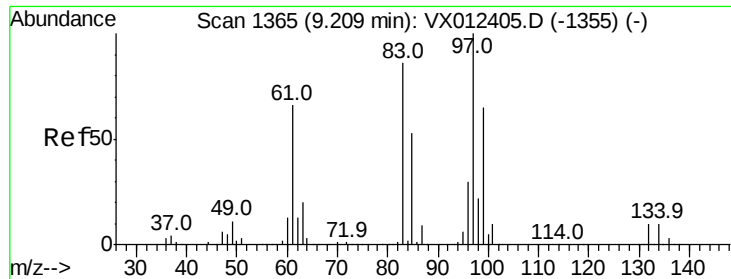
Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Tgt Ion: 75 Resp: 53725

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8
39	57.0	43.8	65.8





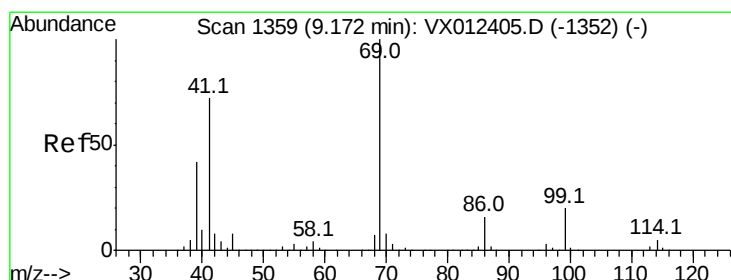
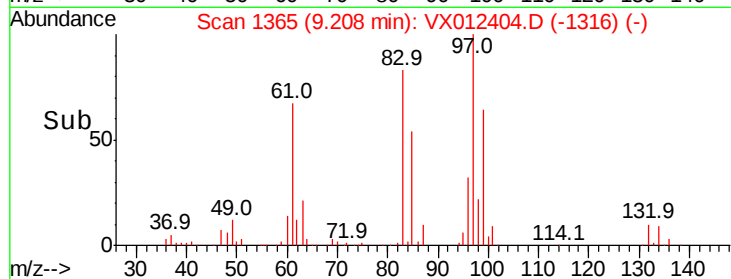
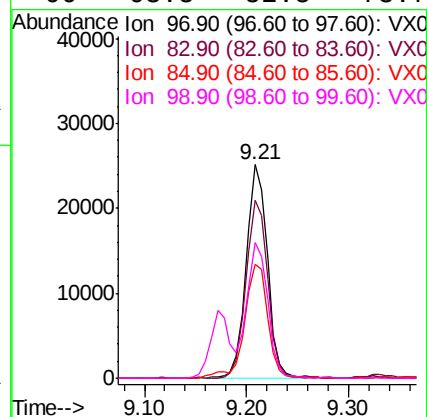
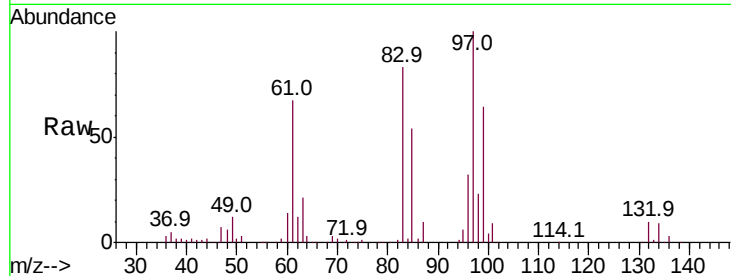
#55
 1,1,2-Trichloroethane
 Concen: 26.077 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.5	102.7
85	53.5	42.6	64.0
99	63.5	52.5	78.7

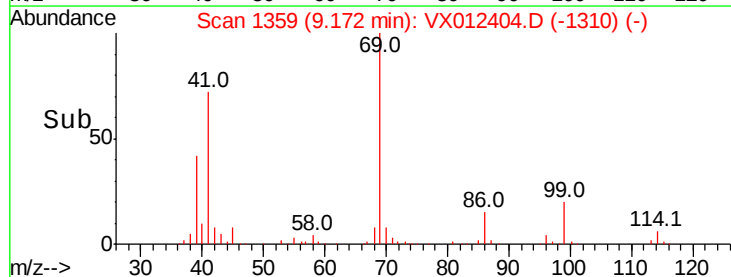
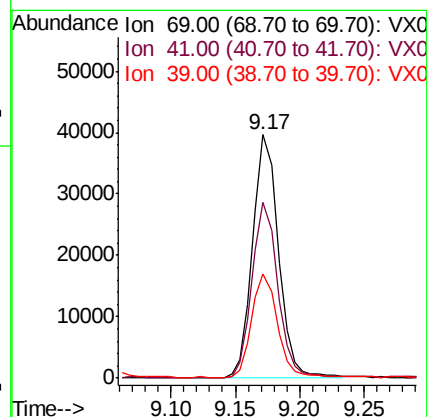
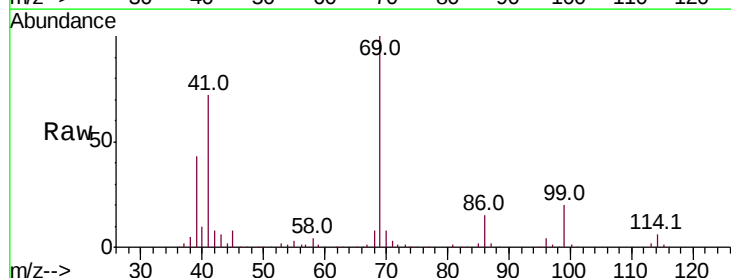
Manual Integrations
 APPROVED

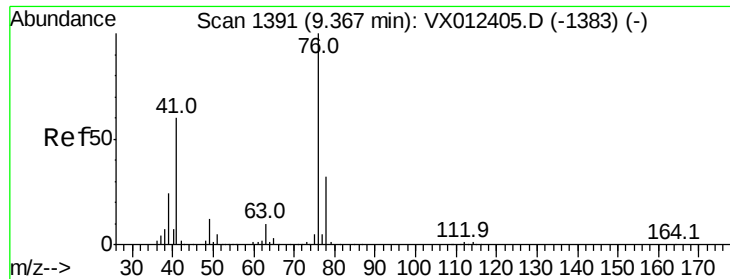
MMDadoda
 9/23/2019 5:04:07 PM



#56
 Ethyl methacrylate
 Concen: 27.309 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.6
39	41.7	32.6	49.0





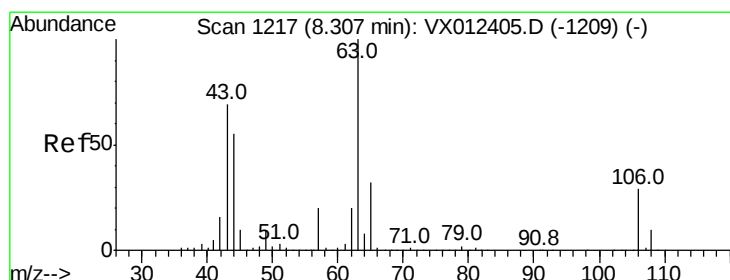
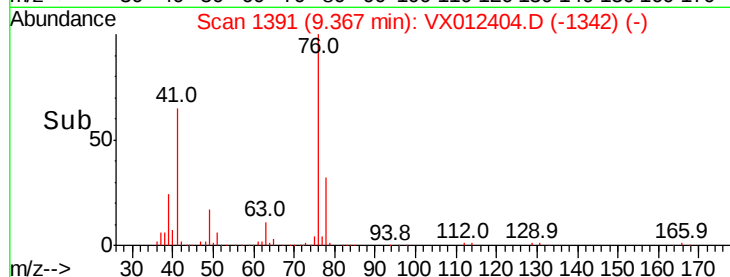
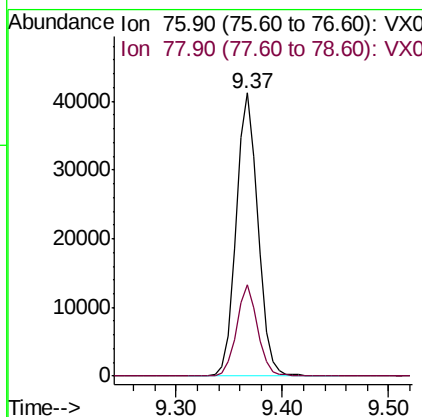
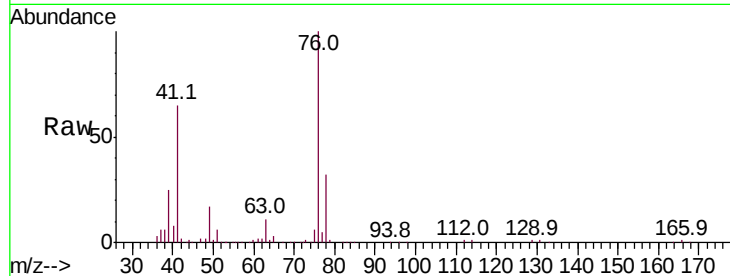
#57
 1,3-Dichloropropane
 Concen: 26.112 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.9	38.9

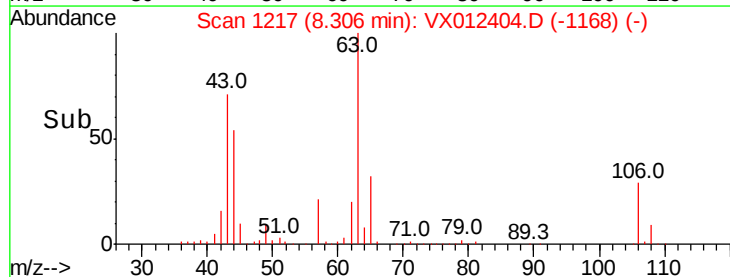
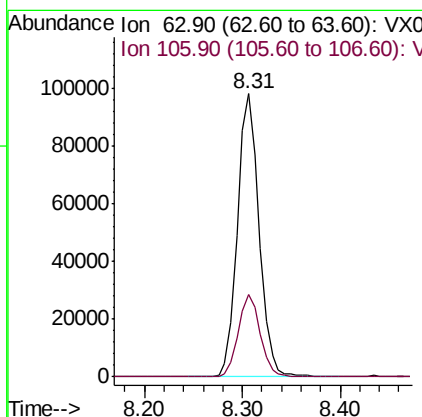
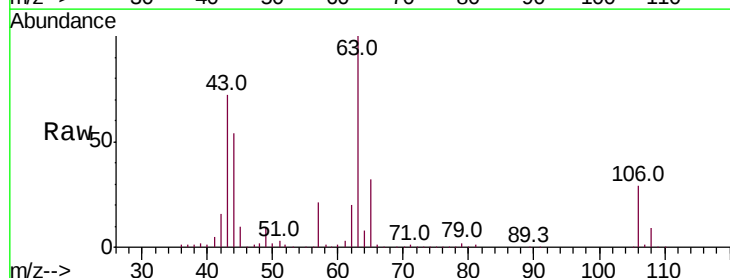
Manual Integrations
 APPROVED

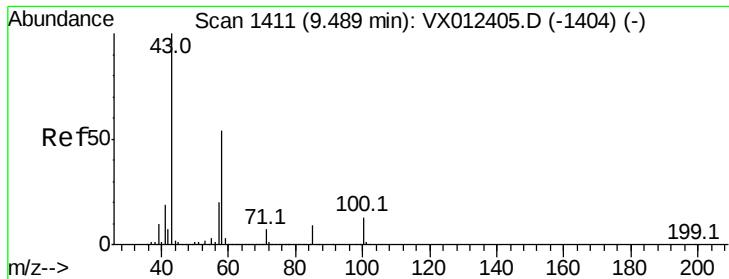
MMDadoda
 9/23/2019 5:04:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 142.037 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.8	35.8





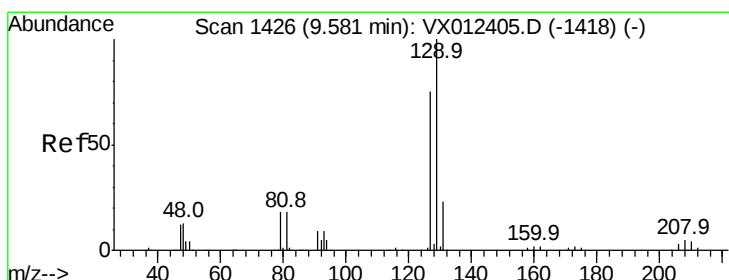
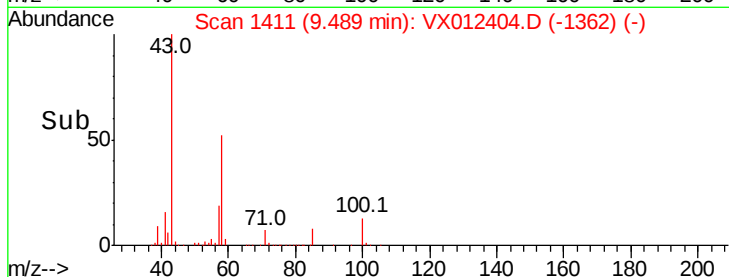
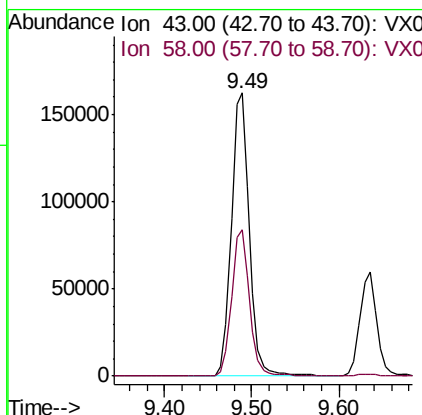
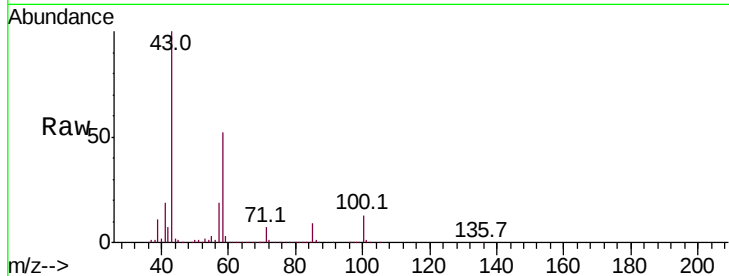
#59
2-Hexanone
Concen: 152.953 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 232999
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

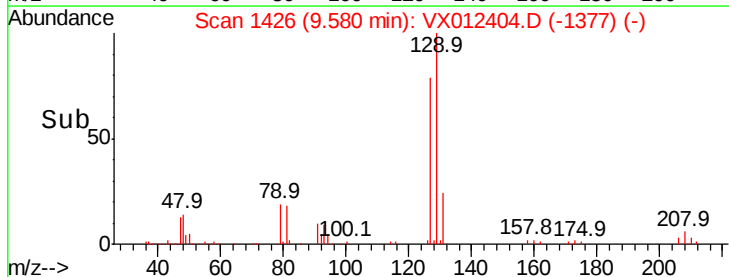
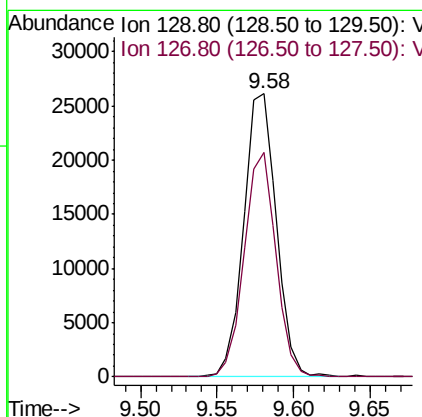
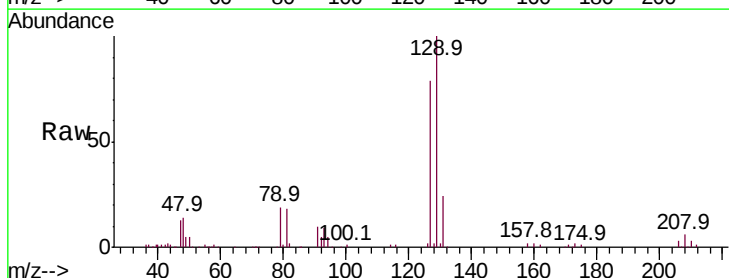
Manual Integrations
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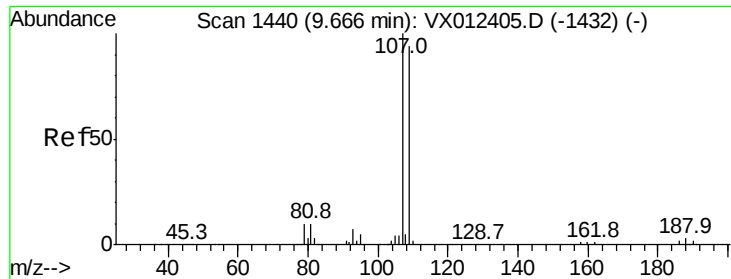
MMDadoda
9/23/2019 5:04:07 PM



#60
Dibromochloromethane
Concen: 25.602 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion: 129 Resp: 38650
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





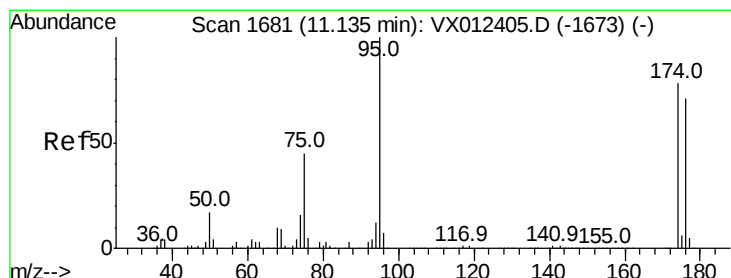
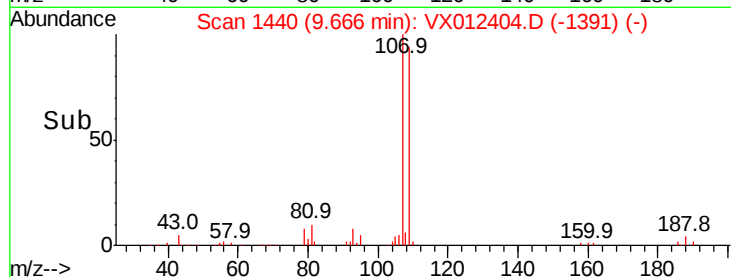
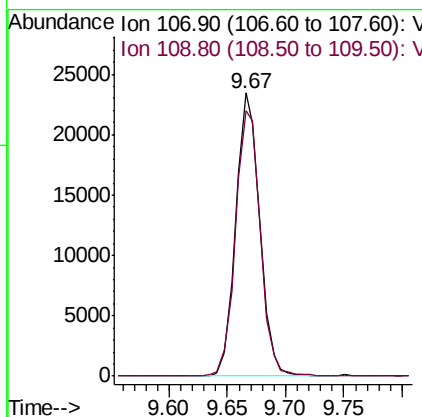
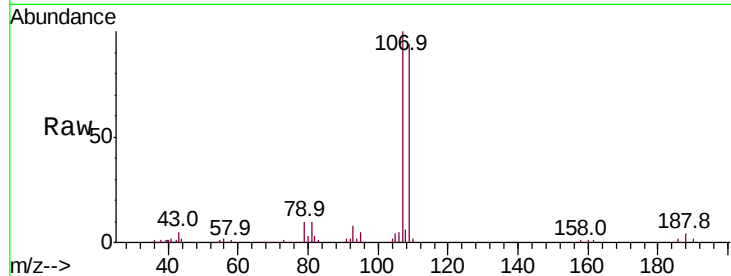
#61
 1,2-Dibromoethane
 Concen: 23.219 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.1	112.7

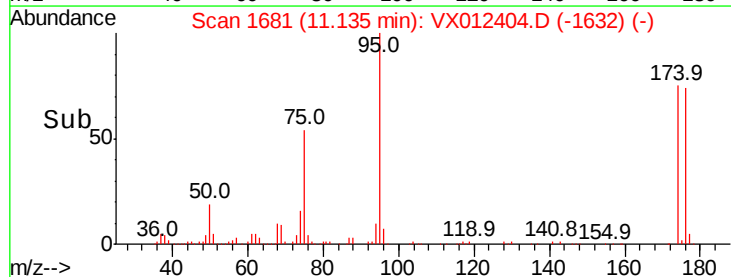
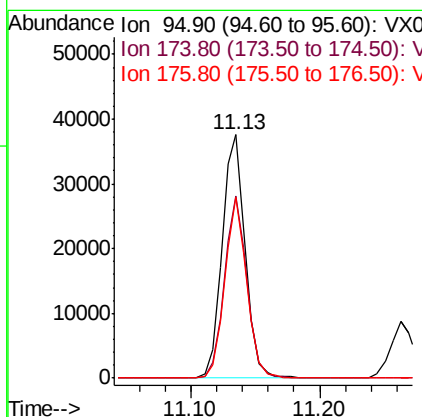
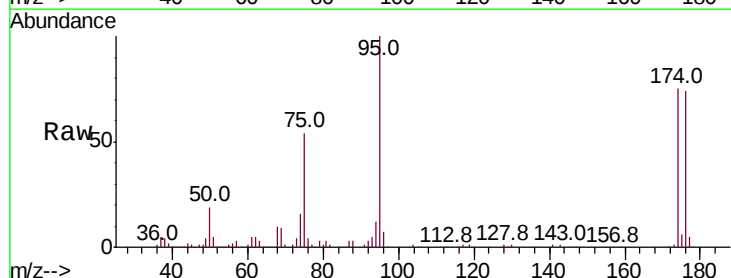
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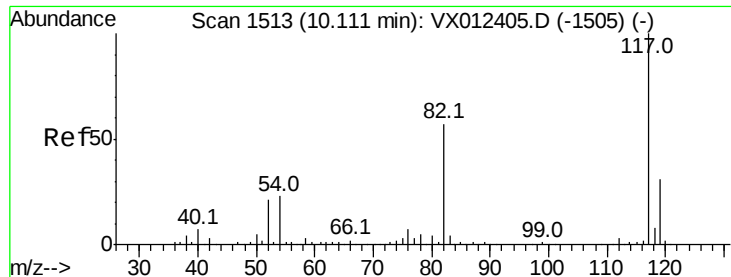
MMDadoda
 9/23/2019 5:04:07 PM



#62
 4-Bromofluorobenzene
 Concen: 24.115 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	146.0
176	70.8	0.0	137.6





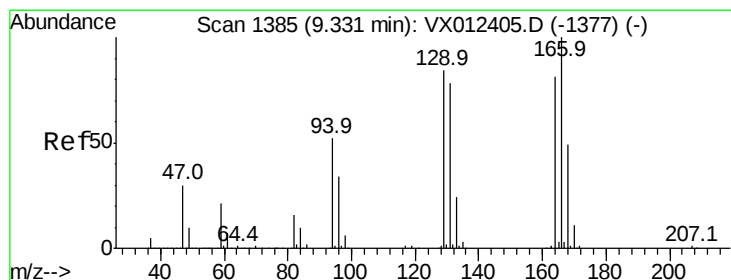
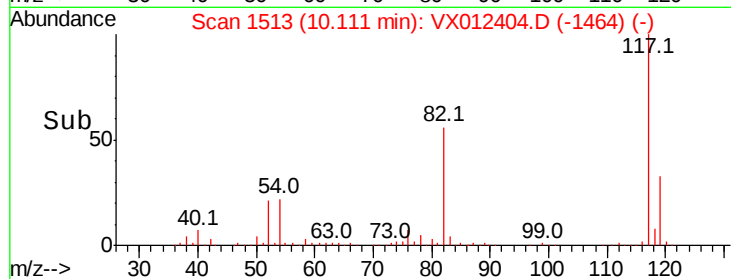
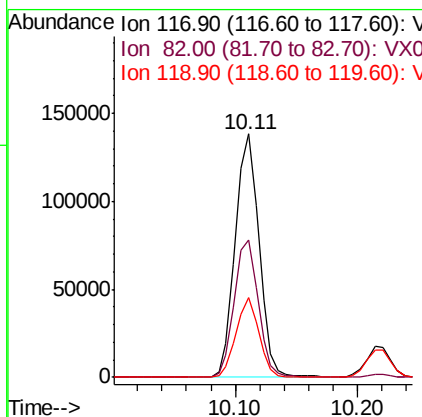
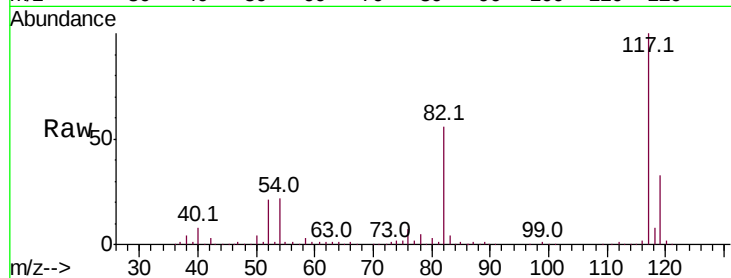
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	186686		
82	56.4	45.8	68.6	
119	32.6	24.9	37.3	

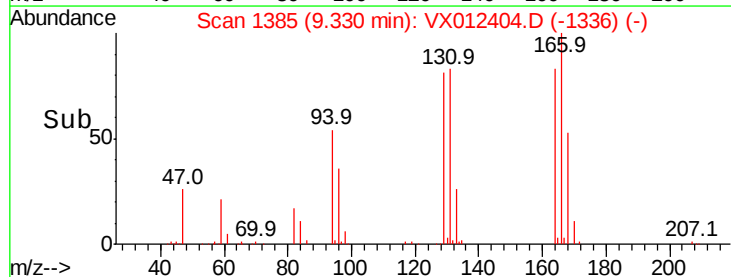
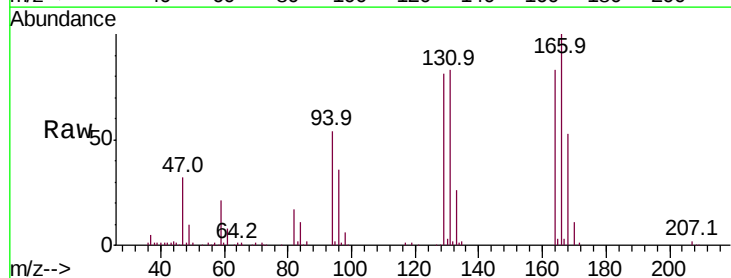
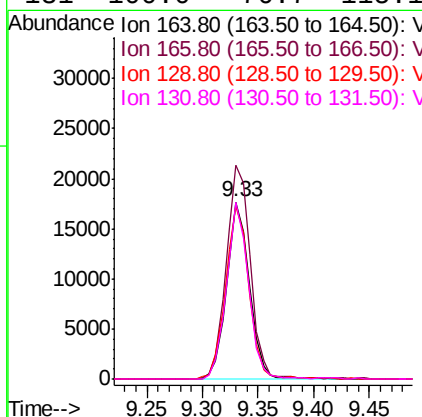
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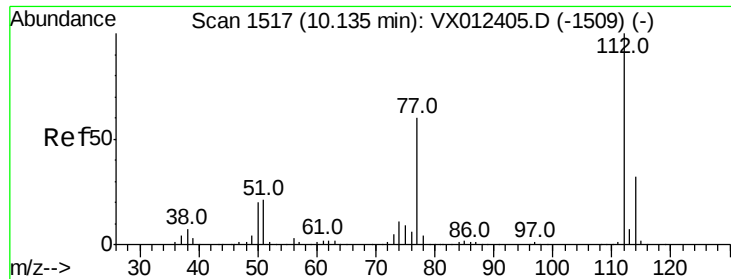
MMDadoda
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#64
Tetrachloroethene
Concen: 17.265 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24935		
166	120.8	98.2	147.4	
129	97.6	82.6	123.8	
131	100.0	76.7	115.1	





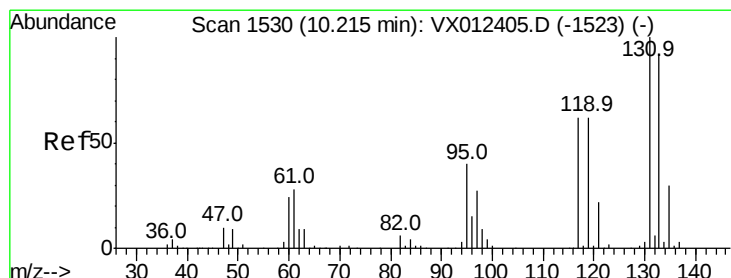
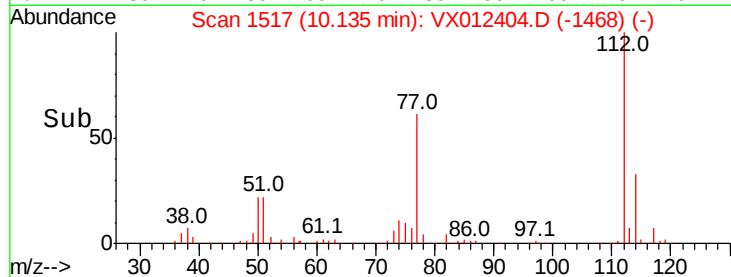
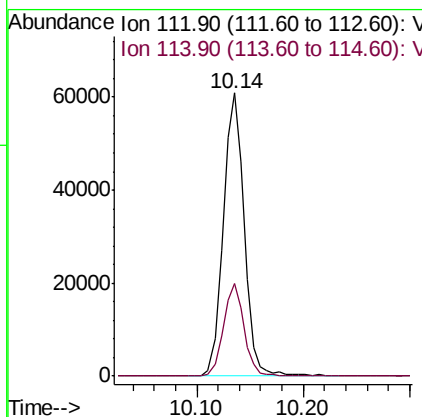
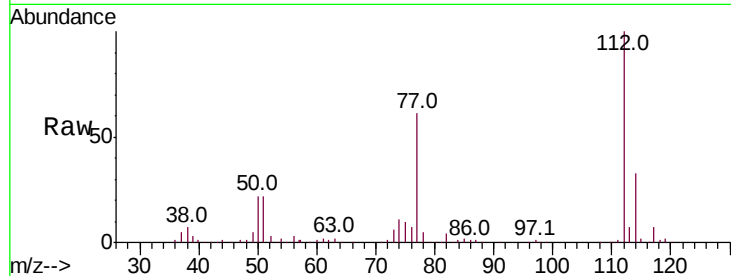
#65
Chlorobenzene
Concen: 21.906 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 83685
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2

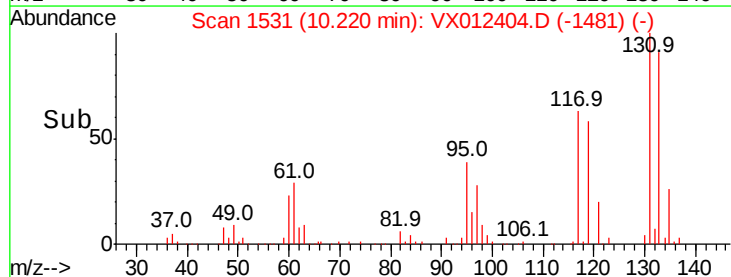
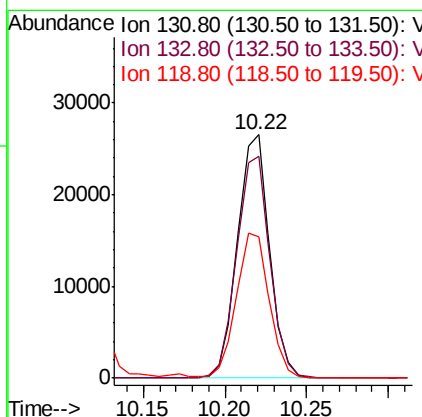
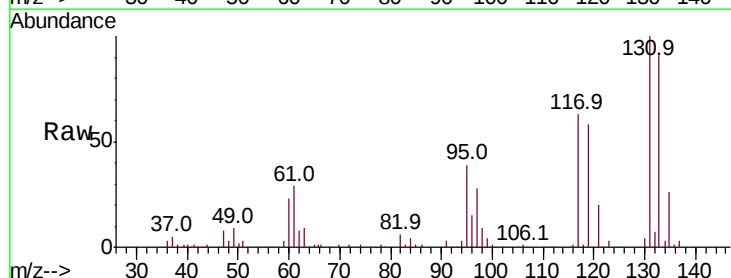
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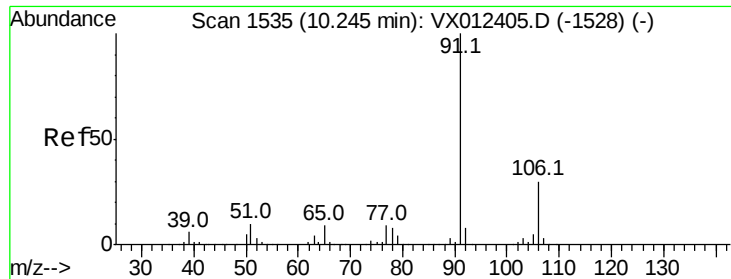
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.789 ug/l
RT: 10.22 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion:131 Resp: 36264
Ion Ratio Lower Upper
131 100
133 94.5 48.4 145.0
119 61.4 31.6 94.7





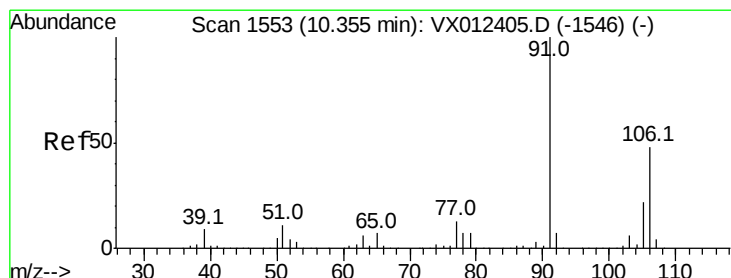
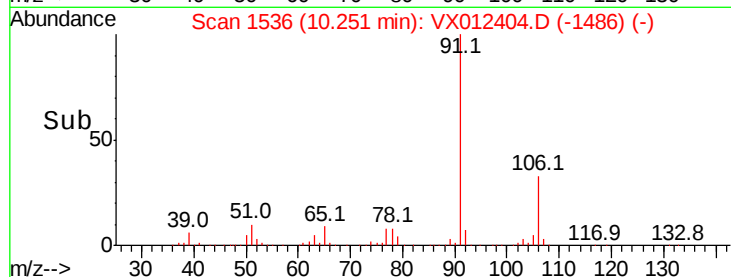
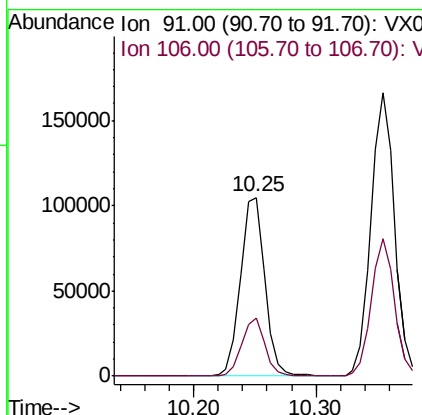
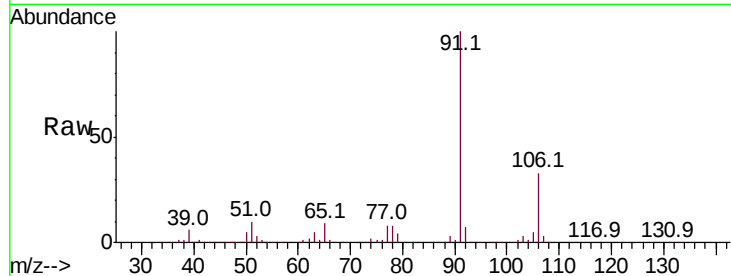
#67
Ethyl Benzene
Concen: 22.736 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 144668
Ion Ratio Lower Upper
91 100
106 32.7 24.0 36.0

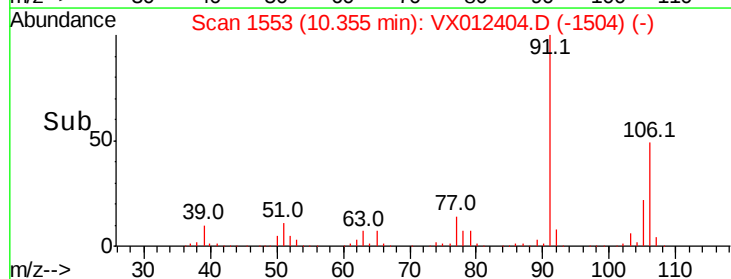
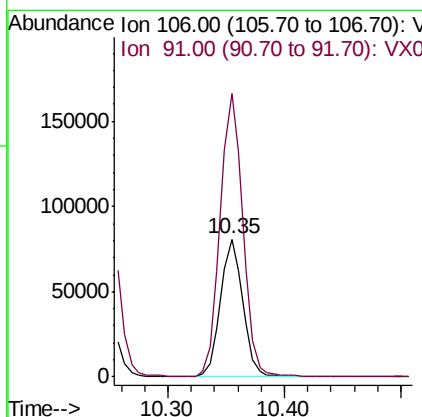
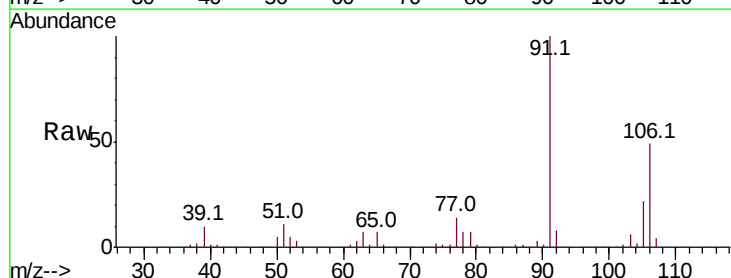
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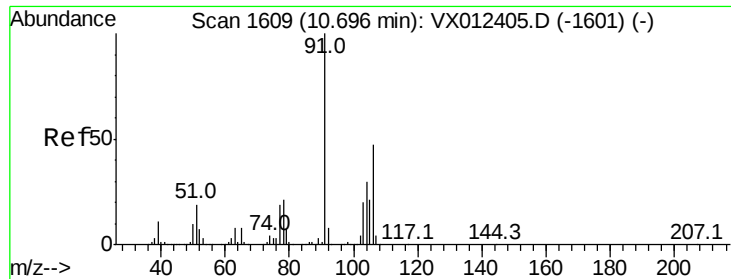
MMDadoda
9/23/2019 5:04:07 PM



#68
m/p-Xylenes
Concen: 44.328 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion: 106 Resp: 107417
Ion Ratio Lower Upper
106 100
91 208.3 167.4 251.0





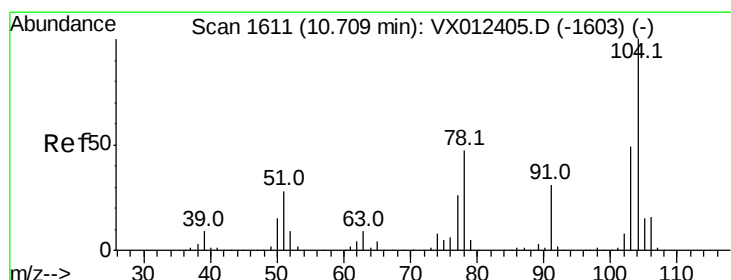
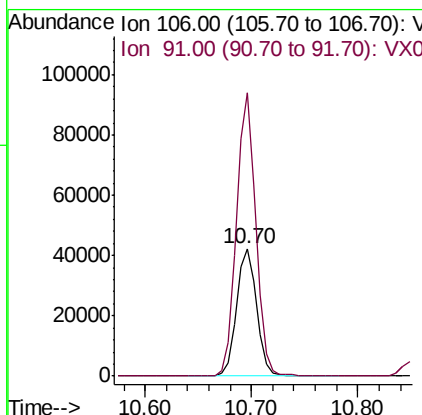
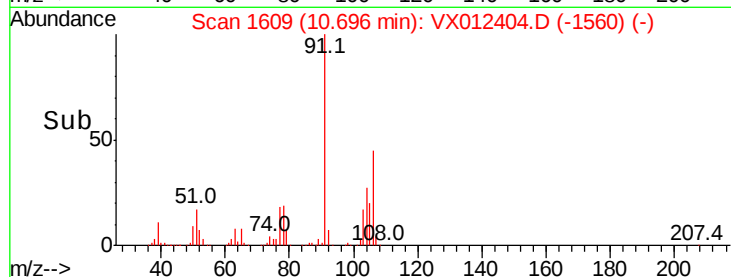
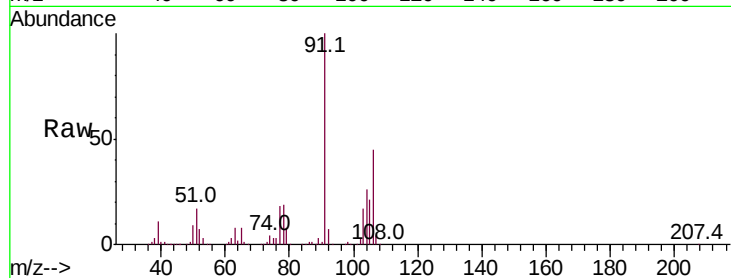
#69
o-Xylene
Concen: 23.233 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 55988
Ion Ratio Lower Upper
106 100
91 214.8 107.8 323.6

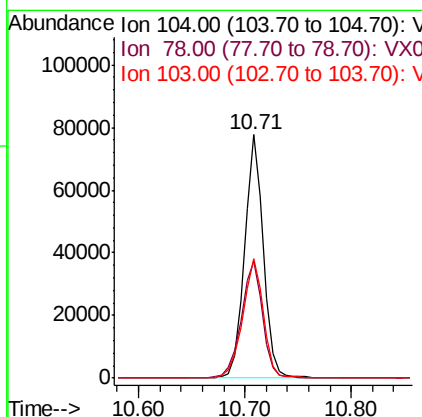
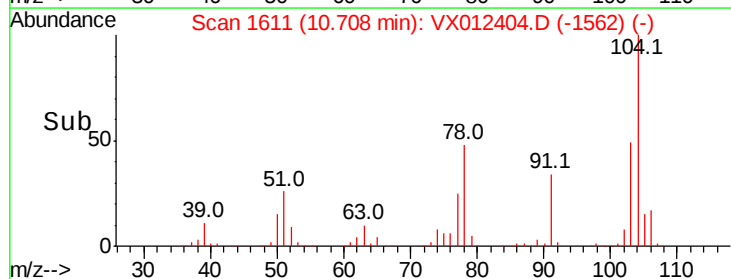
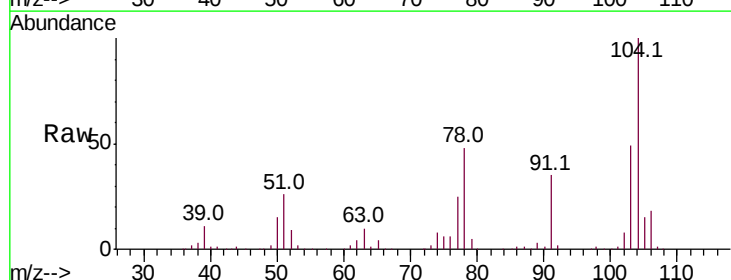
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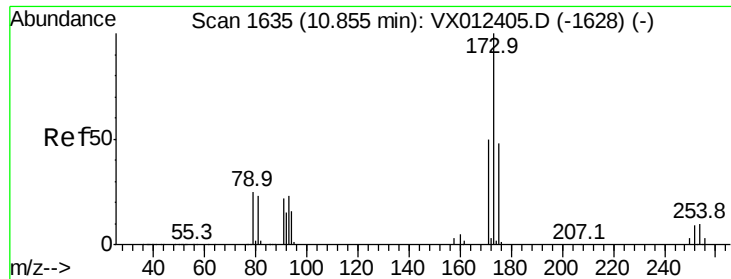
MMDadoda
9/23/2019 5:04:07 PM



#70
Styrene
Concen: 23.599 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion:104 Resp: 96321
Ion Ratio Lower Upper
104 100
78 54.7 42.3 63.5
103 54.0 42.9 64.3





#71

Bromoform

Concen: 21.898 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 27039

Ion Ratio Lower Upper

173 100

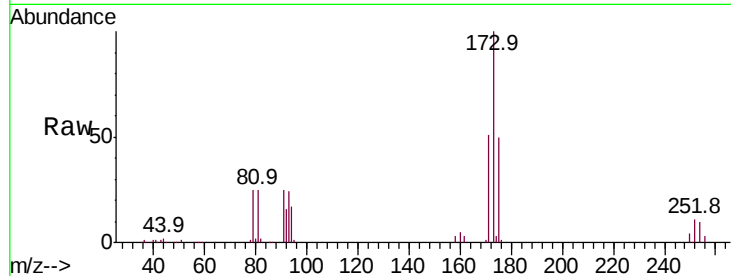
175 48.6 24.3 73.0

254 0.0 0.1 0.1#

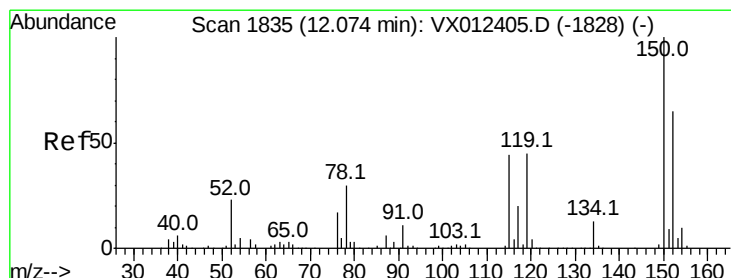
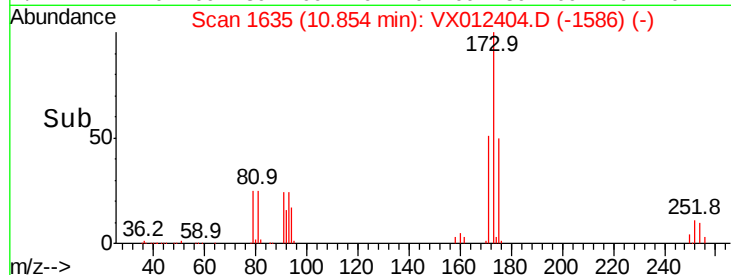
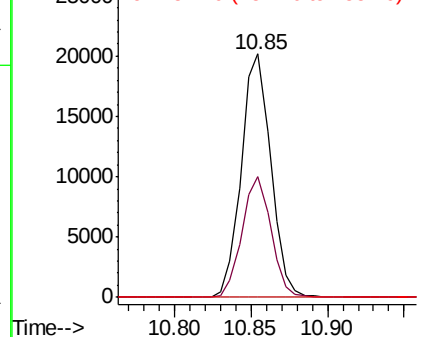
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

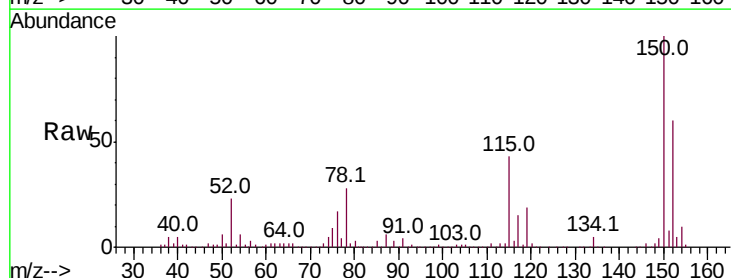
Tgt Ion:152 Resp: 109473

Ion Ratio Lower Upper

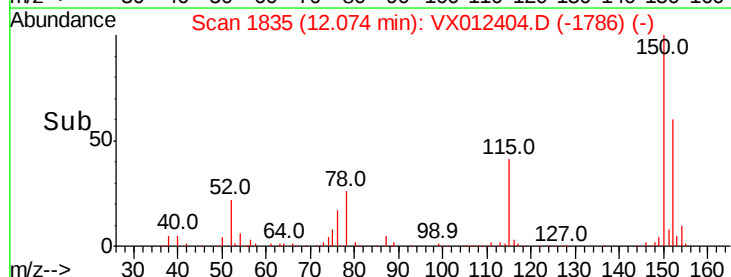
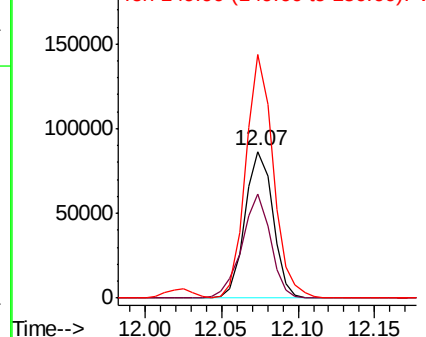
152 100

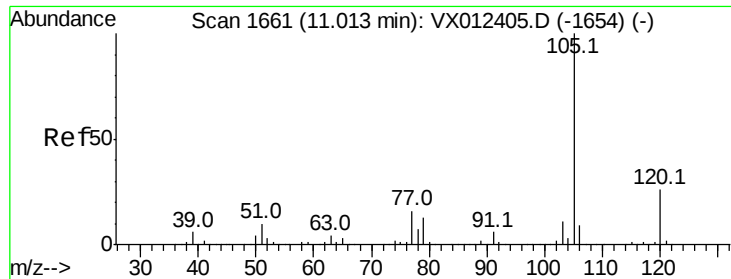
115 73.3 45.3 135.9

150 164.0 0.0 354.0



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





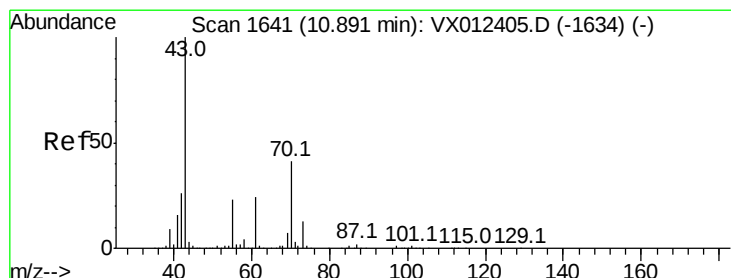
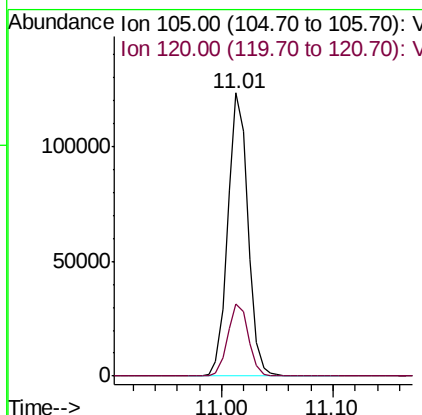
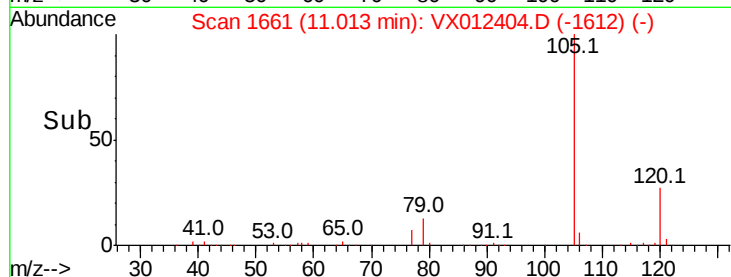
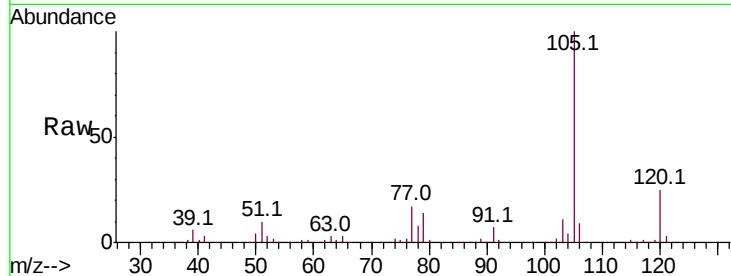
#73
Isopropylbenzene
Concen: 22.425 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

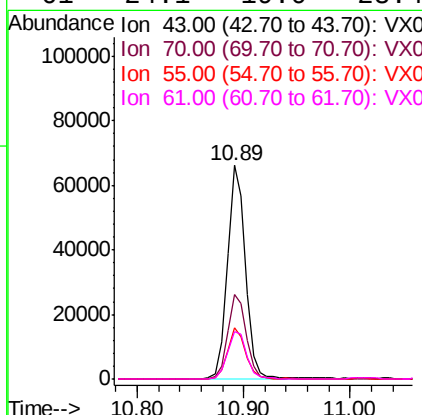
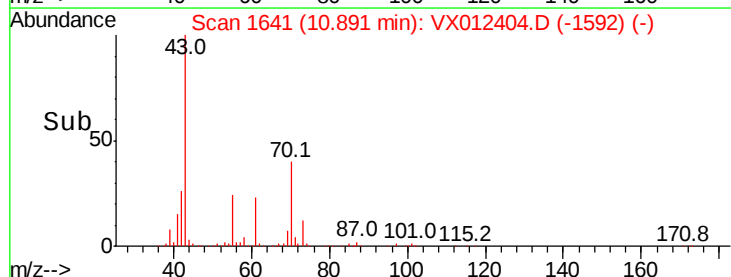
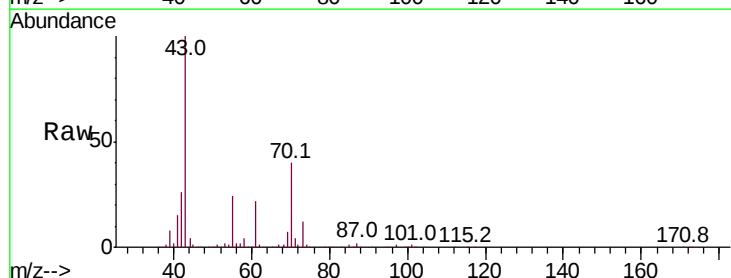
Manual Integrations
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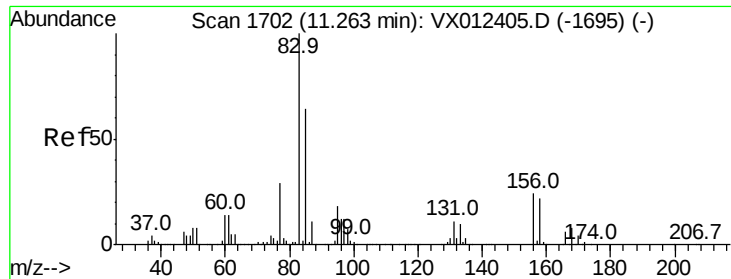
MMDadoda
9/23/2019 5:04:07 PM



#74
N-ethyl acetate
Concen: 27.400 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.7	49.1
55	24.2	18.9	28.3
61	24.1	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 25.787 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

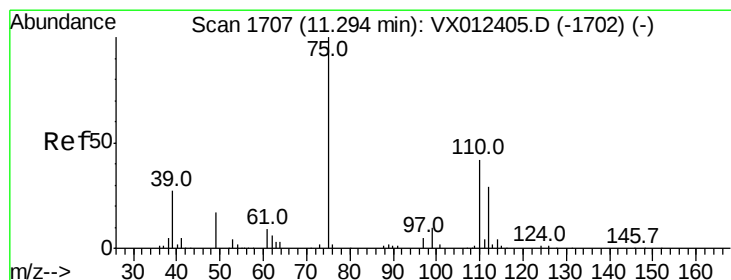
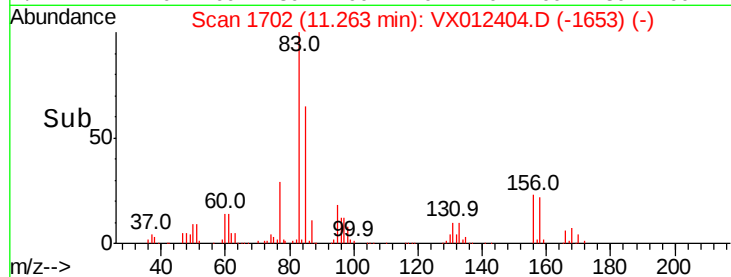
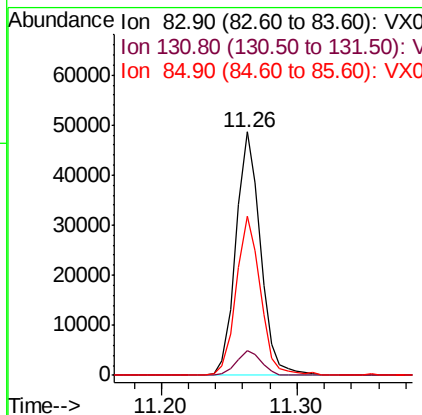
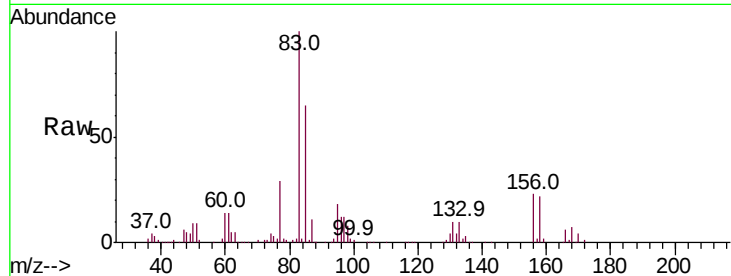
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	61129
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.4
85	64.5	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 27.157 ug/l m

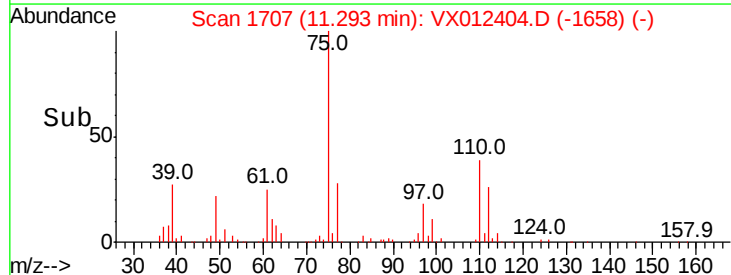
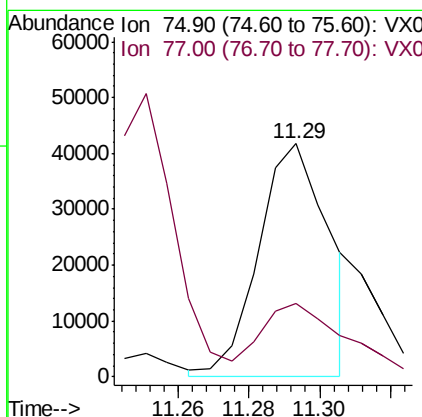
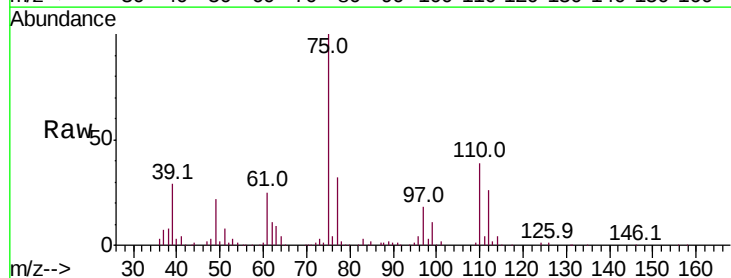
RT: 11.29 min Scan# 1707

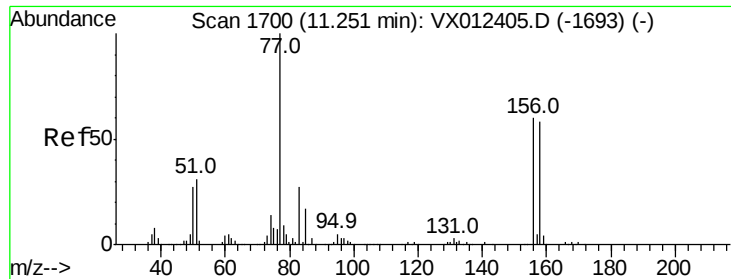
Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Tgt Ion:	75	Resp:	57548
Ion Ratio	Lower	Upper	
75	100		
77	38.9	19.4	58.2





#77

Bromobenzene

Concen: 19.241 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 38039

Ion Ratio Lower Upper

156 100

77 170.9 84.8 254.3

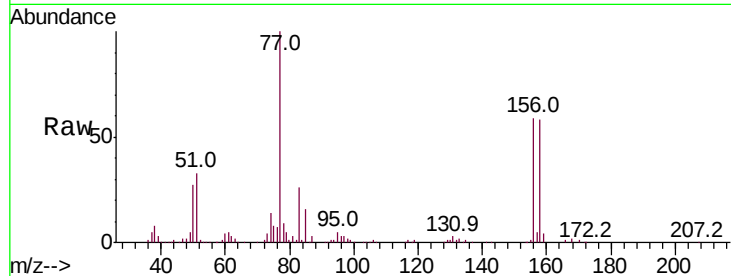
158 96.4 47.9 143.6

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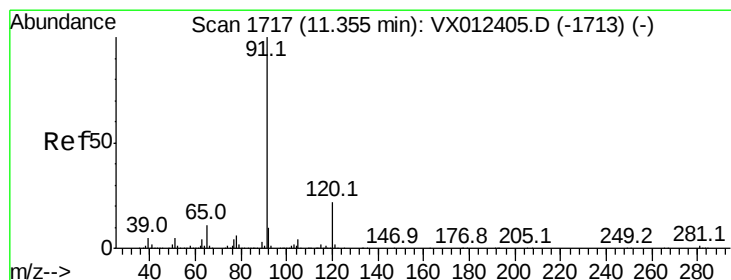
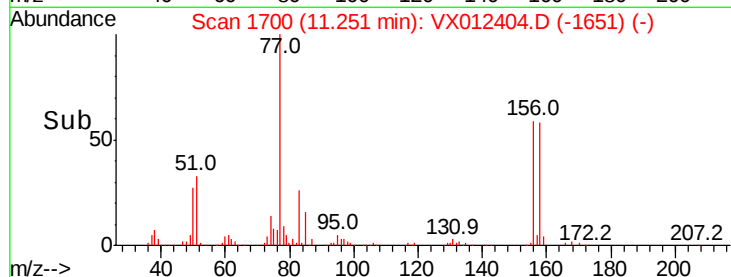
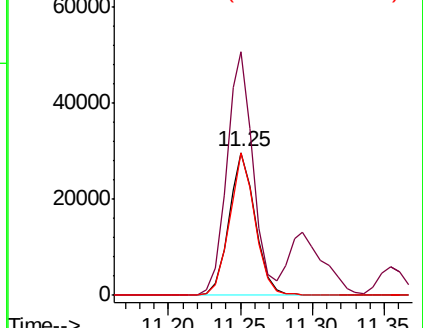
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.288 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012404.D

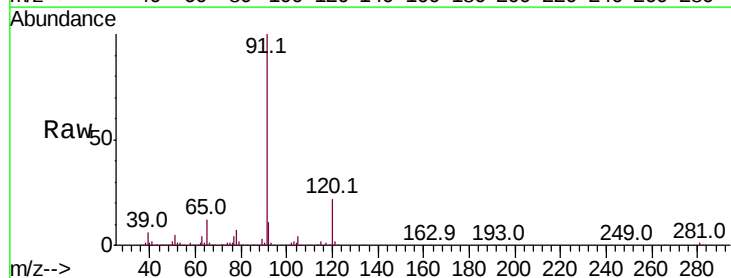
Acq: 16 Sep 2019 13:11

Tgt Ion: 91 Resp: 171893

Ion Ratio Lower Upper

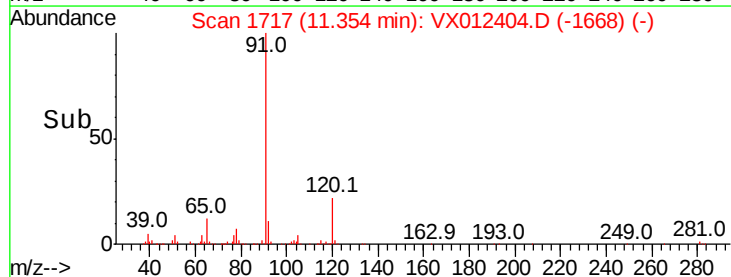
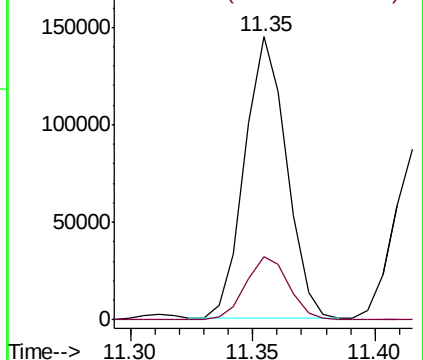
91 100

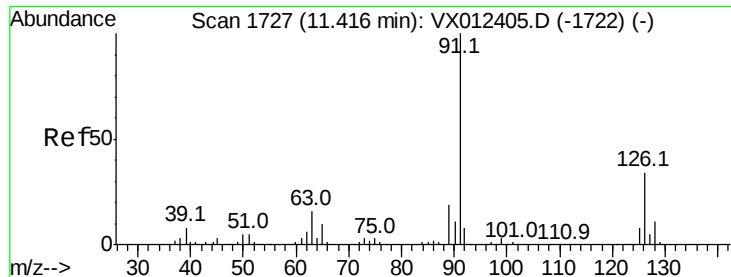
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





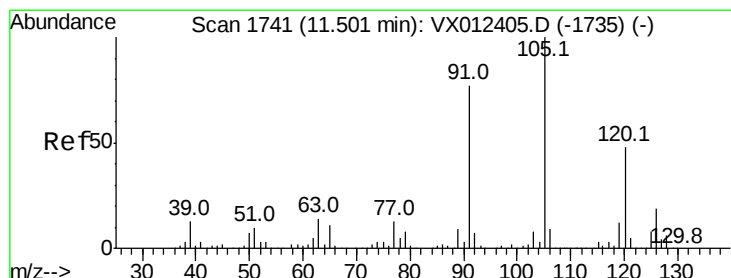
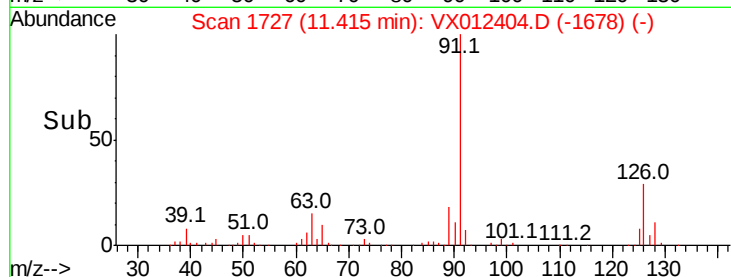
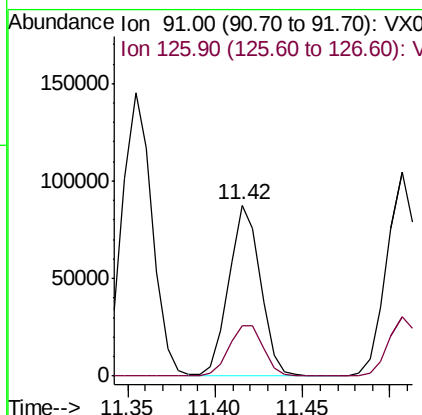
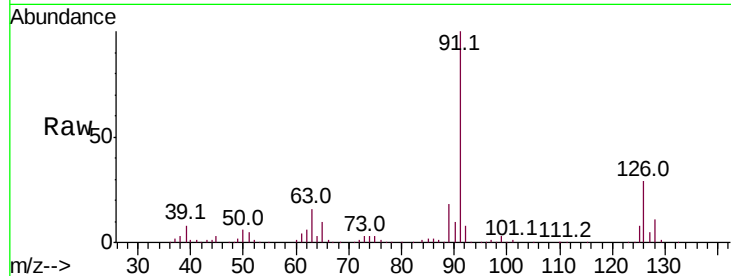
#79
2-Chlorotoluene
Concen: 23.714 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 109789
Ion Ratio Lower Upper
91 100
126 32.5 16.4 49.2

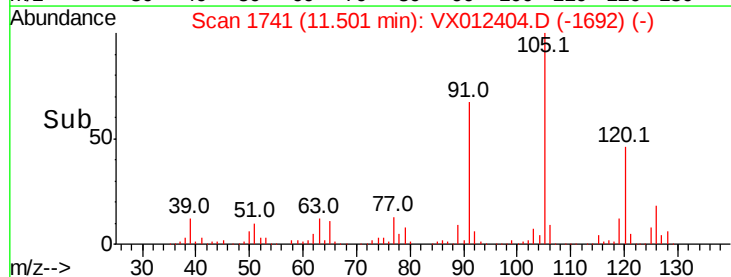
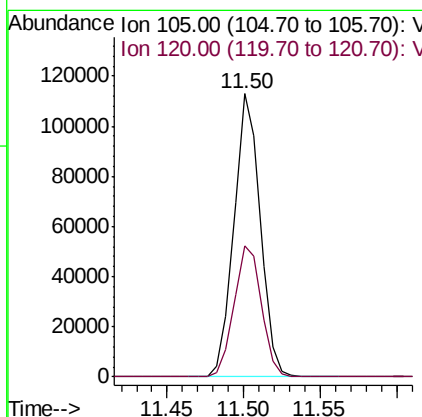
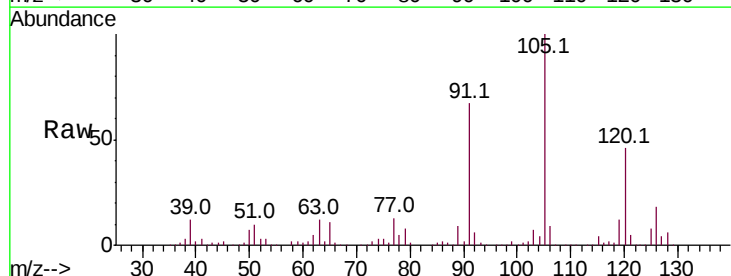
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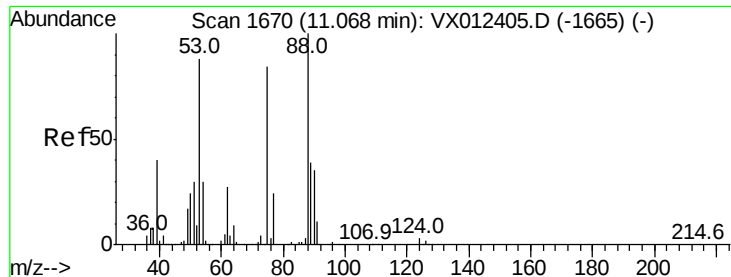
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#80
1,3,5-Trimethylbenzene
Concen: 23.304 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion: 105 Resp: 134119
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.9





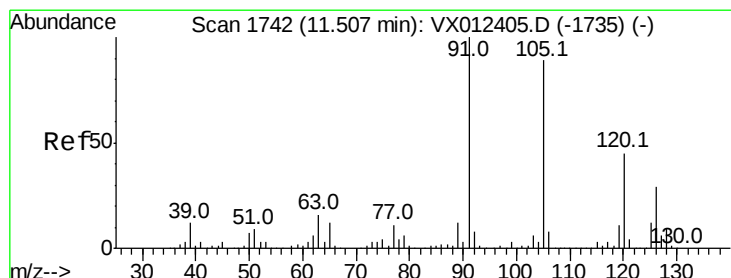
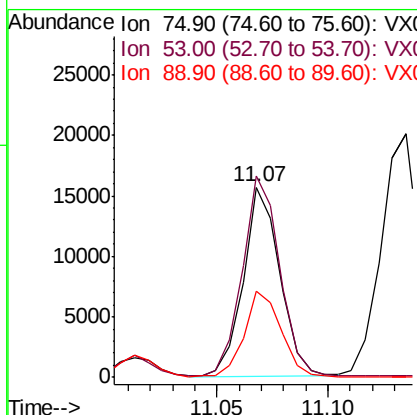
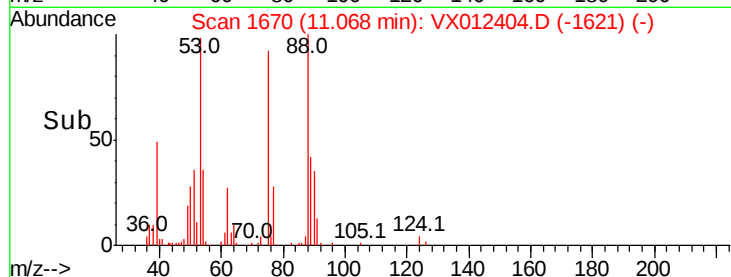
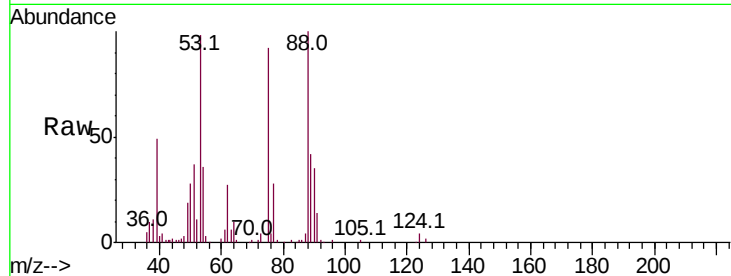
#81
trans-1,4-Dichloro-2-butene
Concen: 25.349 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 17974
Ion Ratio Lower Upper
75 100
53 108.8 84.6 127.0
89 46.8 38.8 58.2

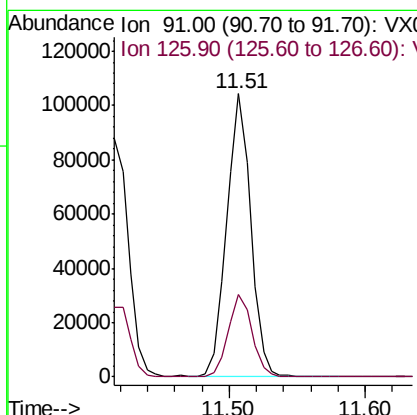
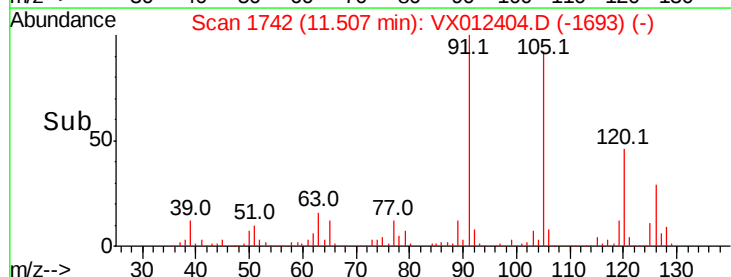
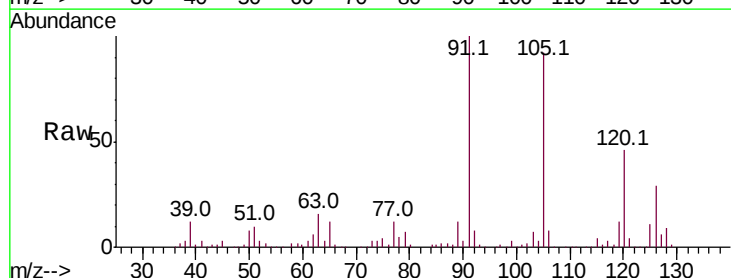
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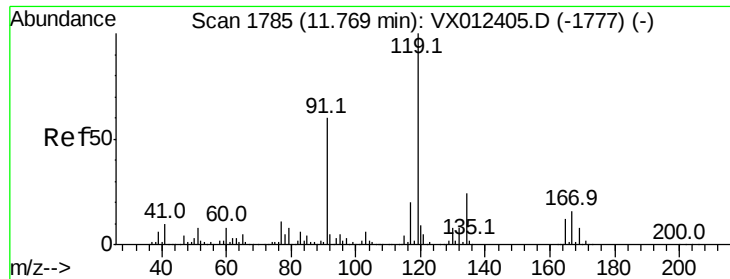
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#82
4-Chlorotoluene
Concen: 23.816 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion: 91 Resp: 127671
Ion Ratio Lower Upper
91 100
126 28.9 14.1 42.3





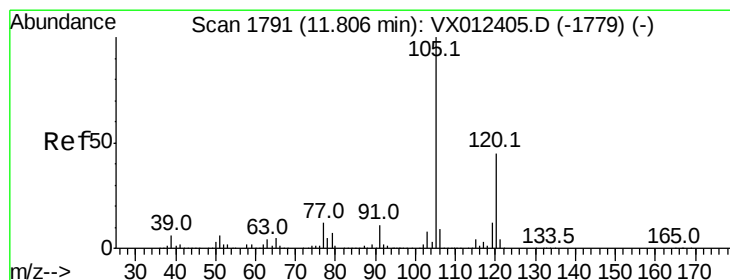
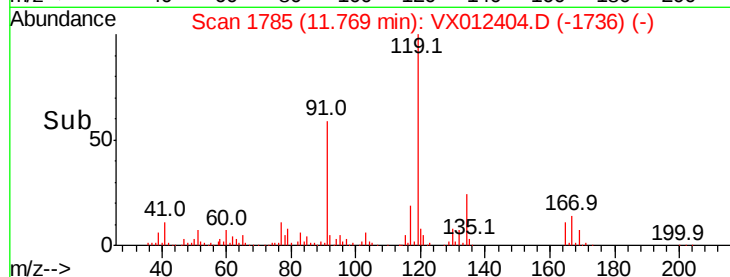
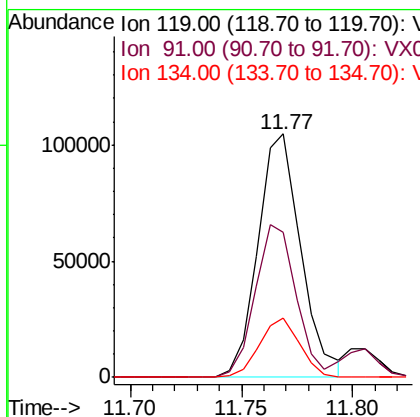
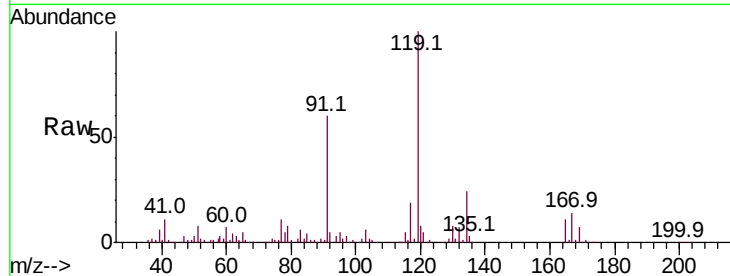
#83
 tert-Butylbenzene
 Concen: 24.526 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140908		
91	59.5	29.6	88.8	
134	22.9	11.4	34.1	

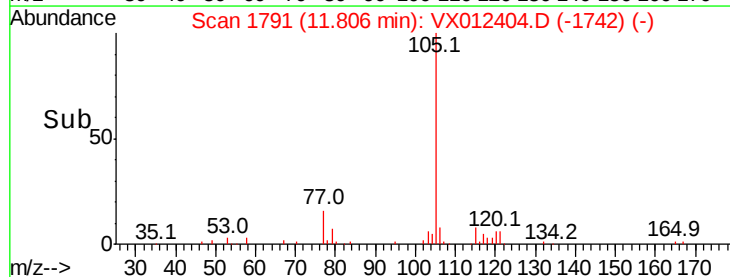
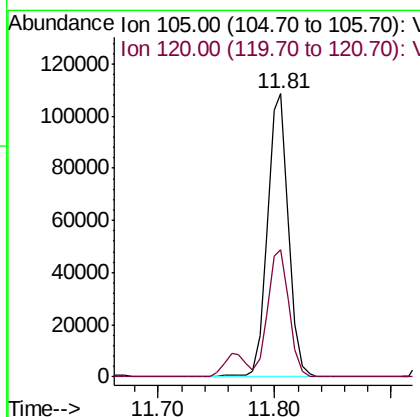
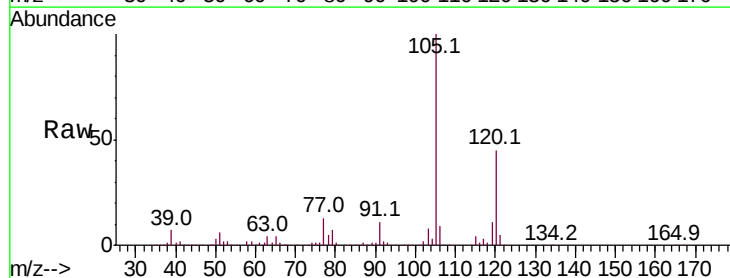
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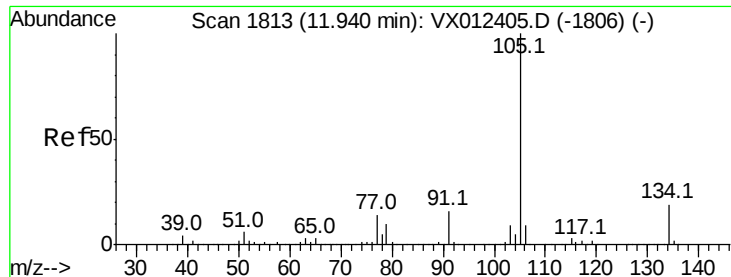
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.325 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	135888		
120	45.5	22.1	66.5	





#85

sec-Butylbenzene

Concen: 23.929 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 157377

Ion Ratio Lower Upper

105 100

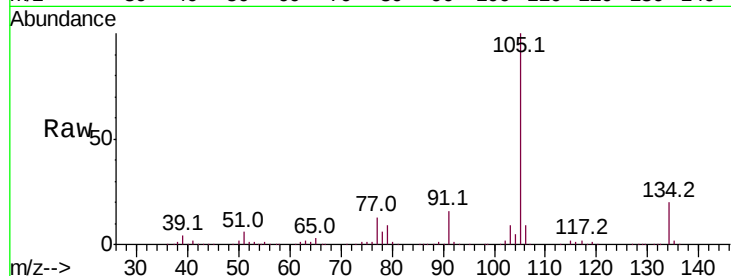
134 20.0 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

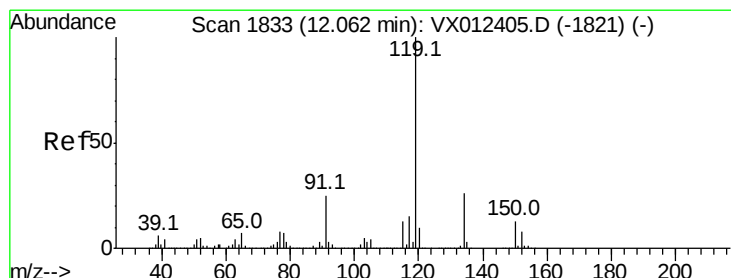
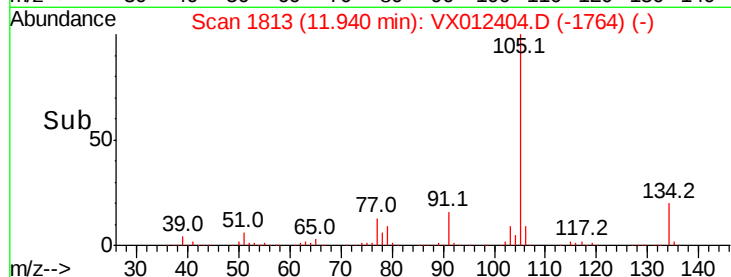
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 23.225 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

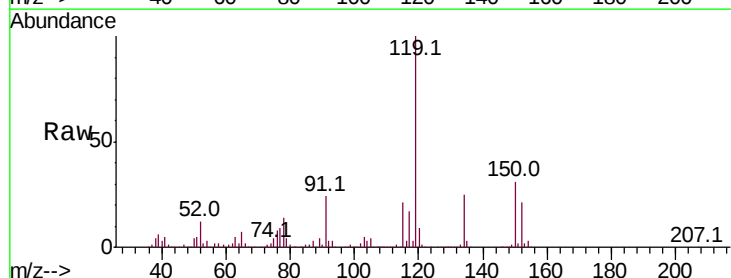
Tgt Ion:119 Resp: 145172

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 25.9 12.9 38.6



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

12.06

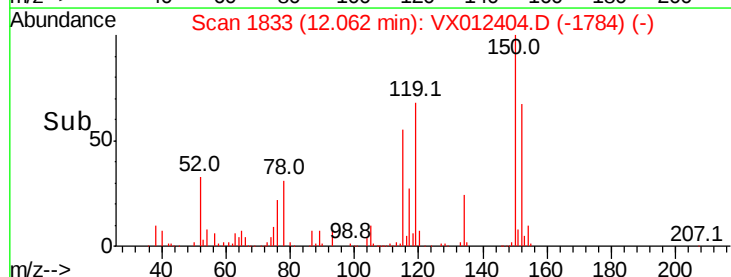
150000

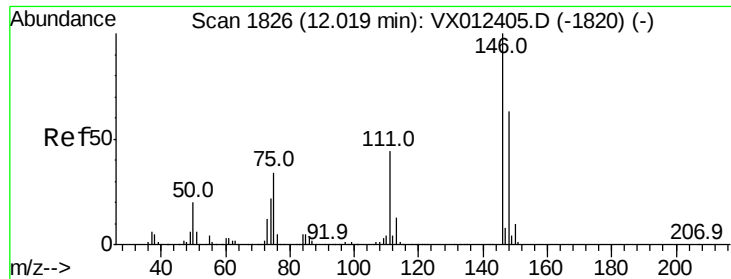
100000

50000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 20.914 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Instrument :

MSVOA_X

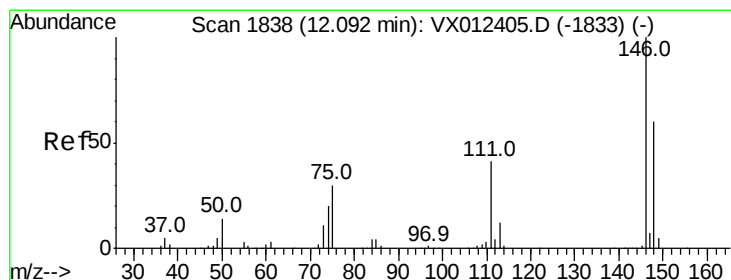
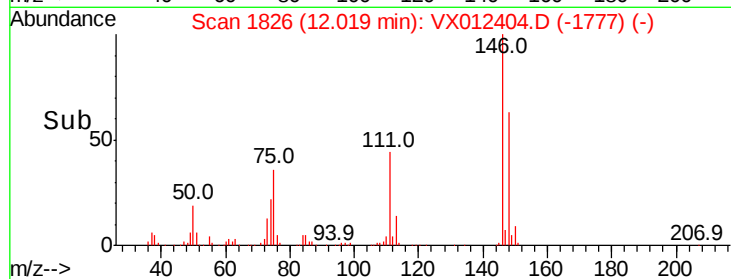
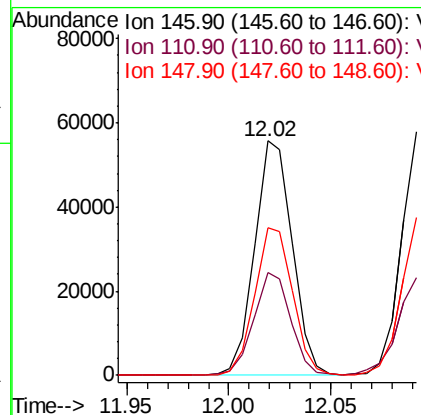
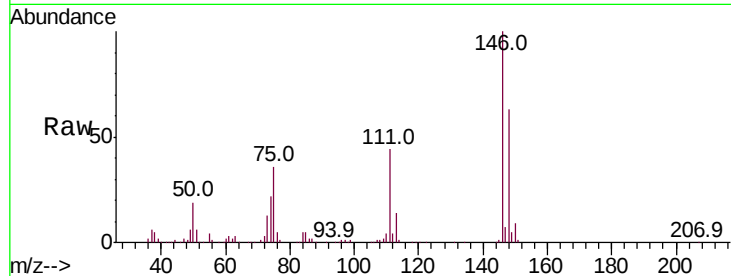
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	71653
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.3	64.0
148	63.2	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.655 ug/l

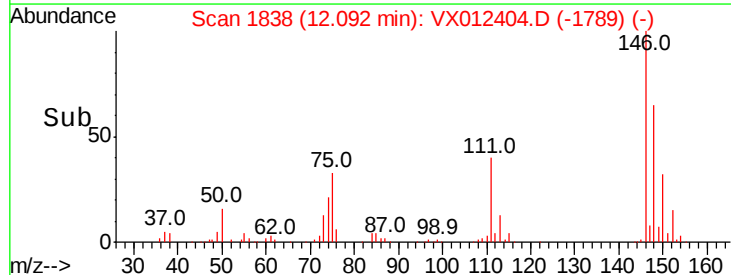
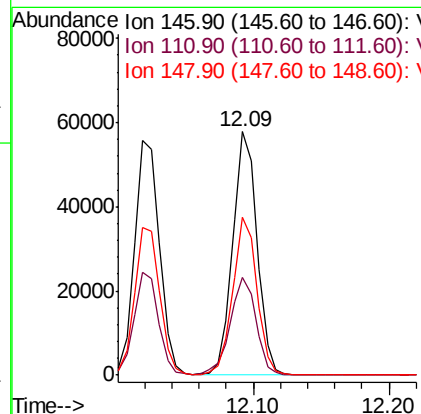
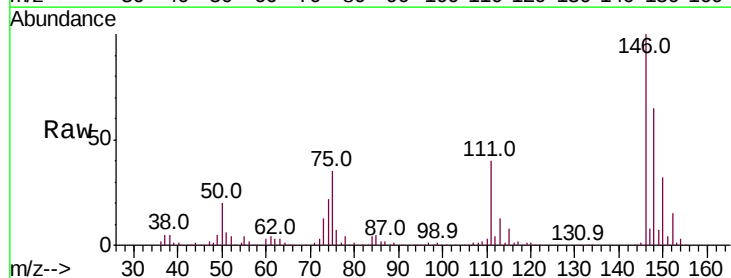
RT: 12.09 min Scan# 1838

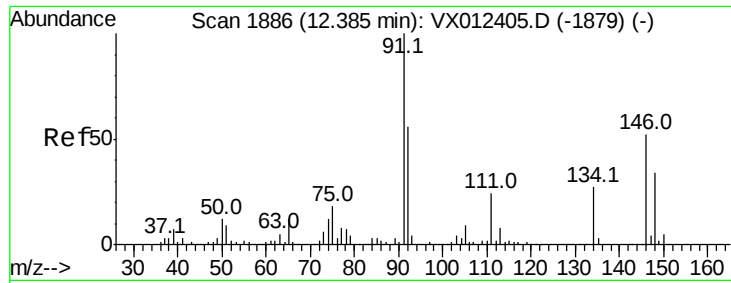
Delta R.T. -0.00 min

Lab File: VX012404.D

Acq: 16 Sep 2019 13:11

Tgt Ion:	146	Resp:	71971
Ion Ratio	Lower	Upper	
146	100		
111	42.8	20.6	61.9
148	64.4	31.6	94.8





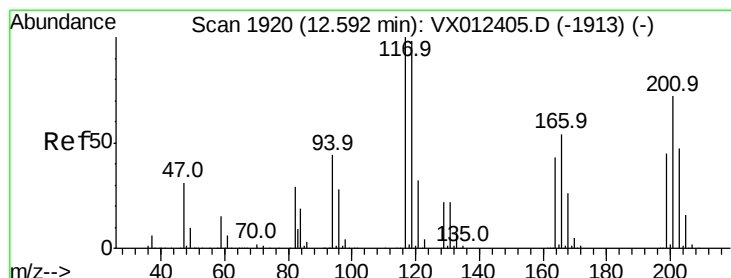
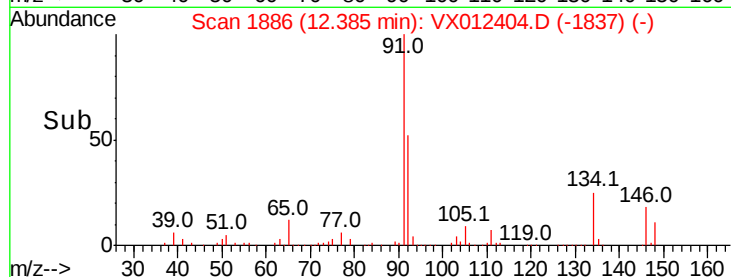
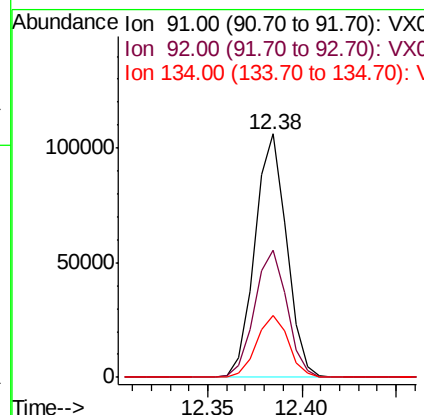
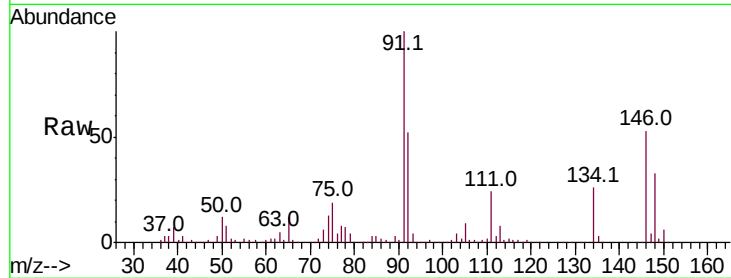
#89
n-Butylbenzene
Concen: 23.640 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	124116		
92	53.6	27.5	82.4	
134	25.8	13.2	39.6	

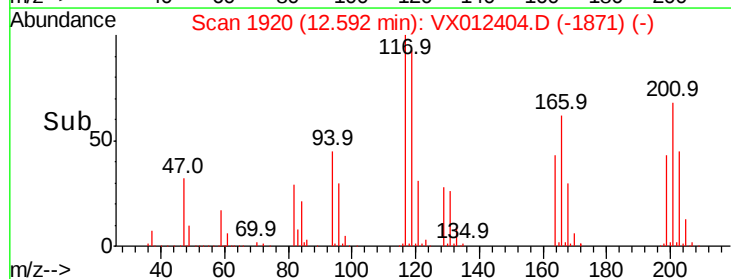
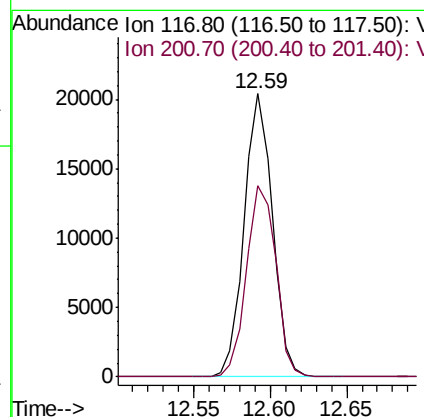
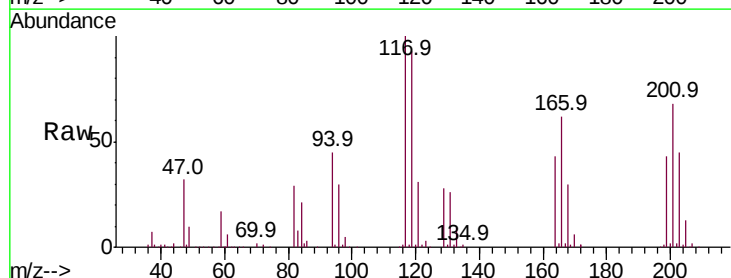
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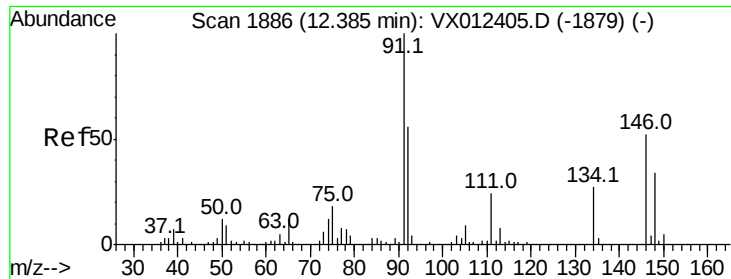
MMDadoda
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#90
Hexachloroethane
Concen: 25.797 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26190		
201	70.2	35.2	105.6	





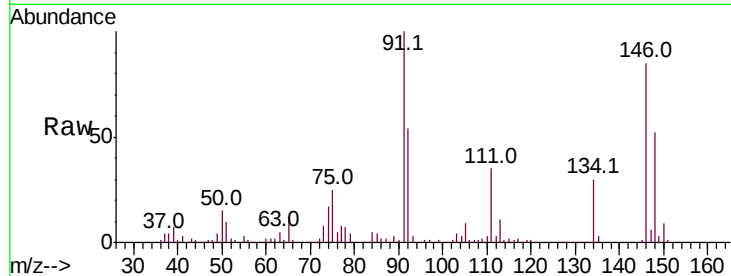
#91
 1,2-Dichlorobenzene
 Concen: 21.481 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.3	66.9
148	62.6	32.0	96.0

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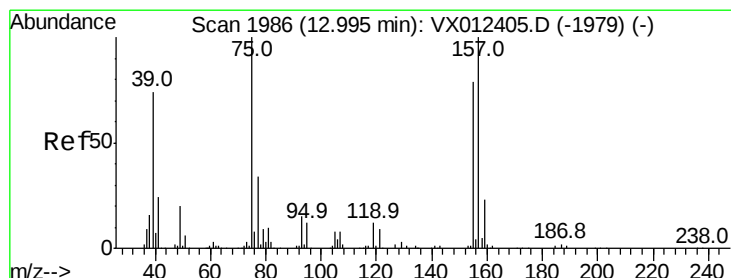
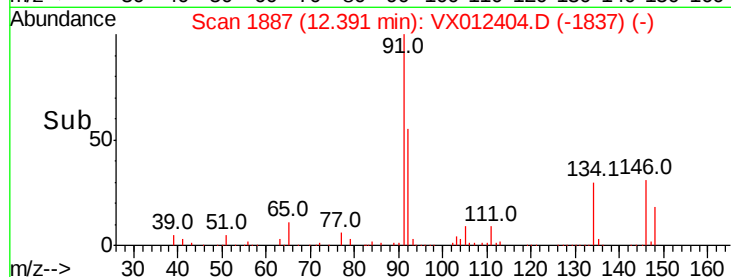
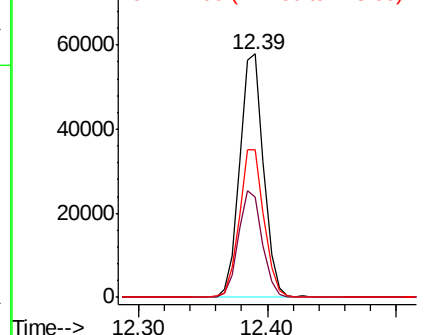


Abundance

Ion 145.90 (145.60 to 146.60): V

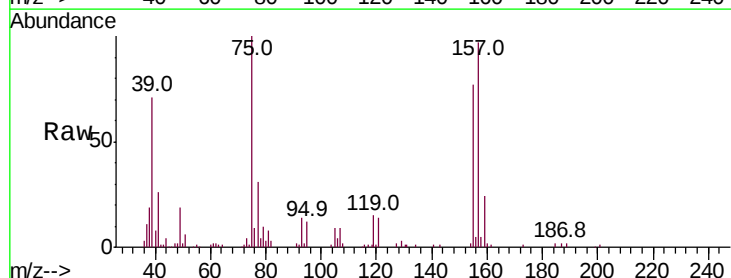
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.728 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	39.8	119.4
157	97.8	50.0	150.1

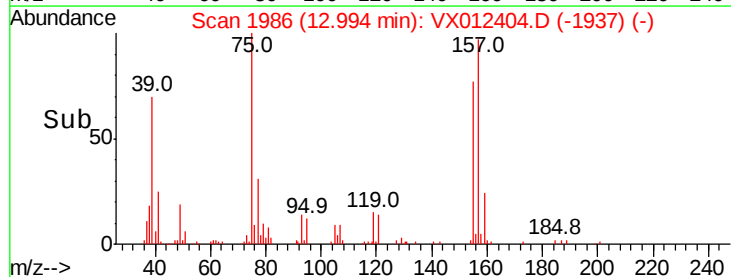
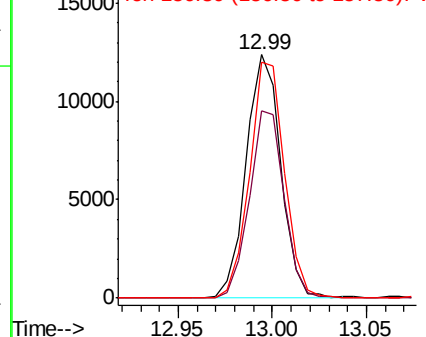


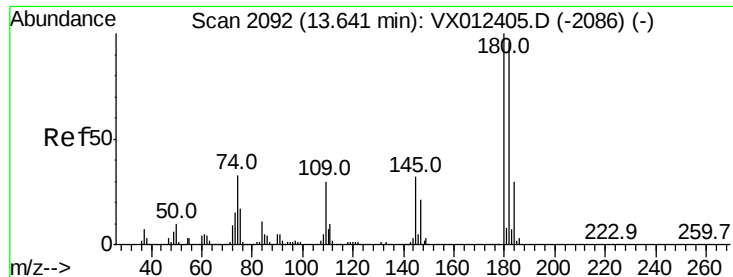
Abundance

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





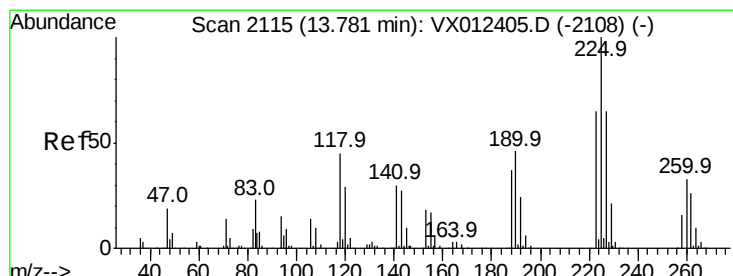
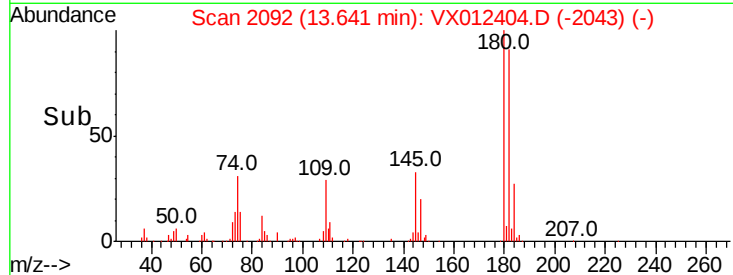
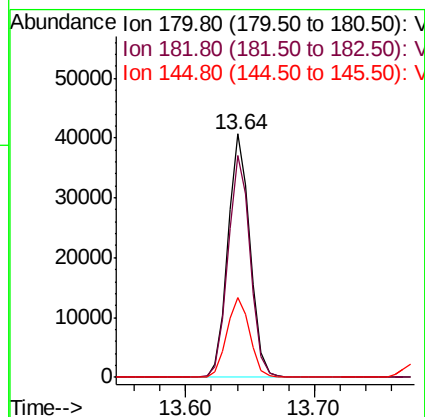
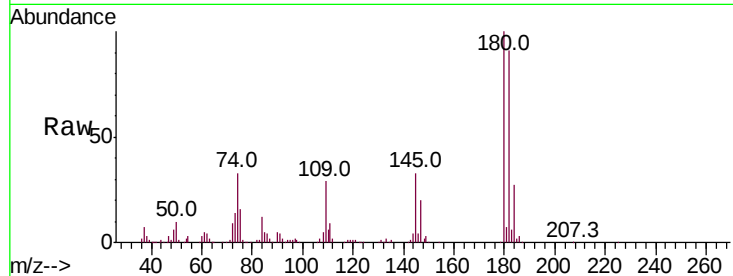
#93
 1,2,4-Trichlorobenzene
 Concen: 19.607 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion:	180	Resp:	49249
Ion Ratio	Lower	Upper	
180	100		
182	91.5	48.1	144.4
145	33.9	16.6	49.7

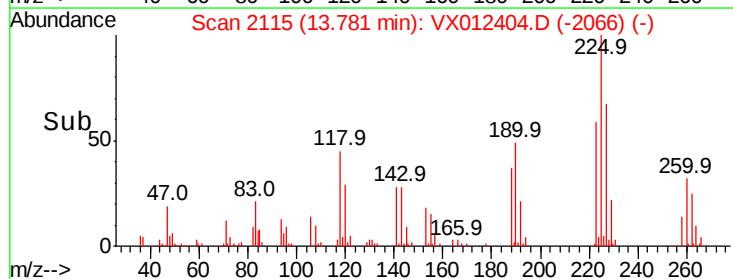
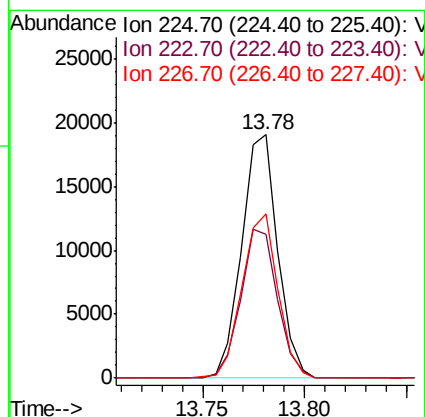
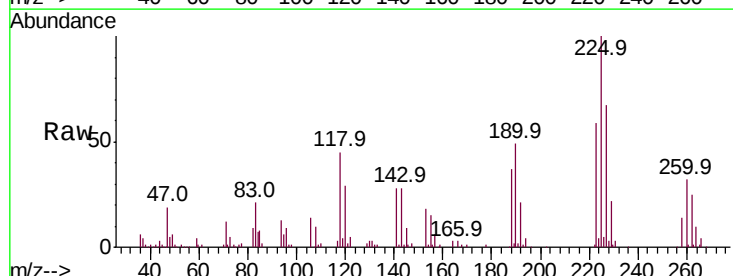
Manual Integrations
 APPROVED

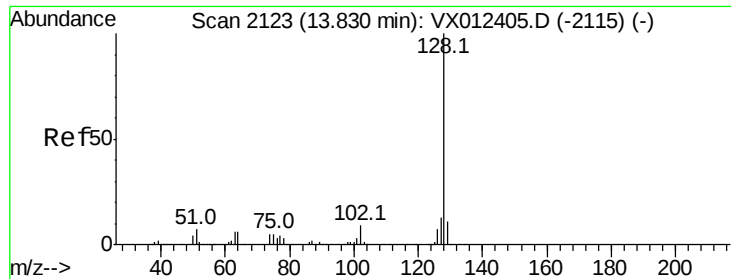
MMDadoda
 9/23/2019 5:04:07 PM



#94
 Hexachlorobutadiene
 Concen: 17.103 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012404.D
 Acq: 16 Sep 2019 13:11

Tgt Ion:	225	Resp:	23313
Ion Ratio	Lower	Upper	
225	100		
223	62.5	32.0	96.0
227	67.2	32.8	98.3





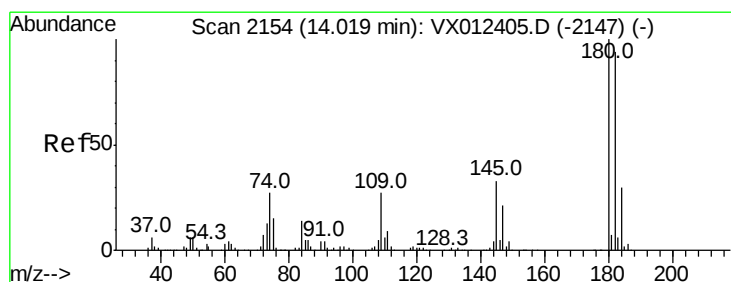
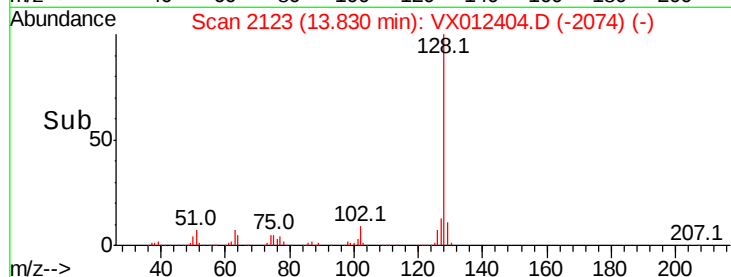
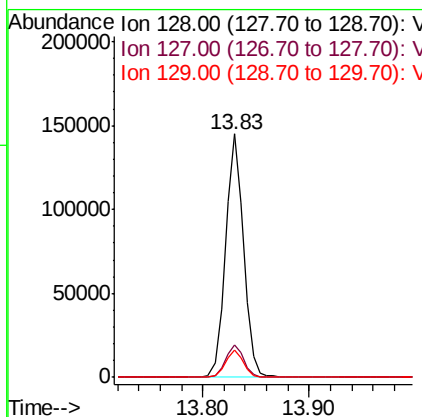
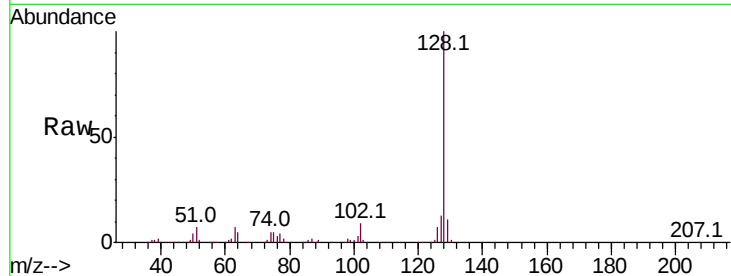
#95
Naphthalene
Concen: 23.422 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:128	Resp:	171161
Ion Ratio	Lower	Upper
128 100		
127 13.2	10.2	15.4
129 11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/23/2019 5:04:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.623 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012404.D
Acq: 16 Sep 2019 13:11

Tgt Ion:180	Resp:	49735
Ion Ratio	Lower	Upper
180 100		
182 94.3	46.9	140.8
145 36.2	17.6	52.9

