

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012403.D
 Acq On : 16 Sep 2019 12:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 5:04:02 PM

Quant Time: Sep 17 04:28:33 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	121044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	191264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	180517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	14414	9.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.48%	
35) Dibromofluoromethane	5.49	113	11096	8.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.30%	
50) Toluene-d8	8.71	98	34799	7.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.60%	
62) 4-Bromofluorobenzene	11.14	95	15896	8.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	4071	3.625	ug/l	97
3) Chloromethane	1.32	50	3863	3.887	ug/l #	88
4) Vinyl Chloride	1.40	62	3831	3.806	ug/l	94
5) Bromomethane	1.63	94	2264	4.317	ug/l	93
6) Chloroethane	1.70	64	3455	5.823	ug/l	97
7) Trichlorofluoromethane	1.92	101	9194	5.565	ug/l	100
8) Diethyl Ether	2.18	74	4135	7.033	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6692	6.381	ug/l	97
10) Methyl Iodide	2.50	142	5254	4.347	ug/l	94
11) Tert butyl alcohol	3.05	59	17001m	53.565	ug/l	
12) 1,1-Dichloroethene	2.36	96	5230	5.285	ug/l	98
13) Acrolein	2.28	56	8150	63.115	ug/l	95
14) Allyl chloride	2.72	41	11794	7.111	ug/l	99
15) Acrylonitrile	3.14	53	26527	41.832	ug/l	99
16) Acetone	2.44	43	32134	51.888	ug/l	94
17) Carbon Disulfide	2.56	76	5272	2.332	ug/l #	87
18) Methyl Acetate	2.76	43	12899	8.026	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	30285	8.564	ug/l	96
20) Methylene Chloride	2.85	84	7680	6.660	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	5441	5.165	ug/l	93
22) Diisopropyl ether	3.85	45	28482	8.425	ug/l	97
23) Vinyl Acetate	3.81	43	115356	40.996	ug/l	98
24) 1,1-Dichloroethane	3.69	63	14373	7.576	ug/l	96
25) 2-Butanone	4.67	43	43141	47.653	ug/l	99
26) 2,2-Dichloropropane	4.58	77	13869	8.319	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	8124	6.379	ug/l	86
28) Bromochloromethane	5.01	49	7261	8.272	ug/l	99
29) Tetrahydrofuran	5.12	42	24191	42.969	ug/l	98
30) Chloroform	5.20	83	16400	7.857	ug/l	95
31) Cyclohexane	5.57	56	7619	4.937	ug/l #	83
32) 1,1,1-Trichloroethane	5.49	97	13770	7.649	ug/l	98
36) 1,1-Dichloropropene	5.79	75	8468	5.452	ug/l	99
37) Ethyl Acetate	4.82	43	14252	7.963	ug/l	95
38) Carbon Tetrachloride	5.78	117	10353	5.727	ug/l	95

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 VSTDIC005

Manual Integrations
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Quant Time: Sep 17 04:28:33 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)
39) Methylcyclohexane	7.45	83	7544	4.092	ug/l	94
40) Benzene	6.14	78	27421	5.638	ug/l	97
41) Methacrylonitrile	5.03	41	7745	7.318	ug/l #	90
42) 1,2-Dichloroethane	6.18	62	13070	7.060	ug/l	97
43) Isopropyl Acetate	6.44	43	24212	8.220	ug/l	98
44) Trichloroethene	7.21	130	7203	4.947	ug/l	89
45) 1,2-Dichloropropane	7.51	63	8243	6.558	ug/l	97
46) Dibromomethane	7.65	93	5656	6.206	ug/l	94
47) Bromodichloromethane	7.89	83	12243	7.103	ug/l	99
48) Methyl methacrylate	7.76	41	10388	7.207	ug/l	97
49) 1,4-Dioxane	7.74	88	5705	145.814	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	79409	40.876	ug/l	100
52) Toluene	8.78	92	17315	5.516	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	12009	6.667	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	12792	6.598	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	9576	7.058	ug/l	98
56) Ethyl methacrylate	9.17	69	14052	7.184	ug/l	100
57) 1,3-Dichloropropane	9.37	76	15283	6.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	38395	37.014	ug/l	98
59) 2-Hexanone	9.49	43	60505	40.728	ug/l	99
60) Dibromochloromethane	9.57	129	9093	6.176	ug/l	99
61) 1,2-Dibromoethane	9.67	107	8683	6.133	ug/l	98
64) Tetrachloroethene	9.33	164	6084	4.357	ug/l	97
65) Chlorobenzene	10.14	112	21325	5.773	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	9008	6.368	ug/l	99
67) Ethyl Benzene	10.25	91	35912	5.837	ug/l	98
68) m/p-Xylenes	10.35	106	26133	11.153	ug/l	99
69) o-Xylene	10.70	106	13269	5.694	ug/l	97
70) Styrene	10.71	104	23187	5.875	ug/l	99
71) Bromoform	10.85	173	6289	5.267	ug/l #	99
73) Isopropylbenzene	11.01	105	37292	5.865	ug/l	98
74) N-amyl acetate	10.89	43	19967	7.548	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	16077	7.316	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	14593m	7.429	ug/l	
77) Bromobenzene	11.25	156	9778	5.336	ug/l	98
78) n-propylbenzene	11.35	91	40430	5.909	ug/l	98
79) 2-Chlorotoluene	11.42	91	26763	6.236	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	33434	6.267	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	4351	6.620	ug/l	93
82) 4-Chlorotoluene	11.51	91	31777	6.395	ug/l	99
83) tert-Butylbenzene	11.77	119	34440	6.467	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	33125	6.134	ug/l	97
85) sec-Butylbenzene	11.94	105	38818	6.367	ug/l	99
86) p-Isopropyltoluene	12.06	119	34142	5.893	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	17929	5.646	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	17793	5.509	ug/l	90
89) n-Butylbenzene	12.39	91	29580	6.078	ug/l	99
90) Hexachloroethane	12.59	117	6456	6.860	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	19017	5.883	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	4022	7.644	ug/l	94

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VSTDICC005

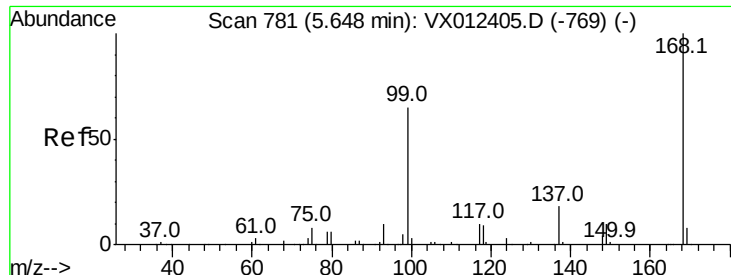
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 04:04:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	11927	5.122	ug/l	99
94) Hexachlorobutadiene	13.78	225	6148	4.866	ug/l	96
95) Naphthalene	13.83	128	40804	6.024	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	12441	5.296	ug/l	98

(#) = 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: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 121044

Ion Ratio Lower Upper

168 100

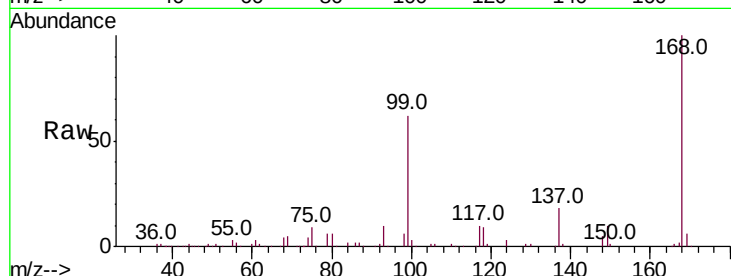
99 61.6 51.8 77.6

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

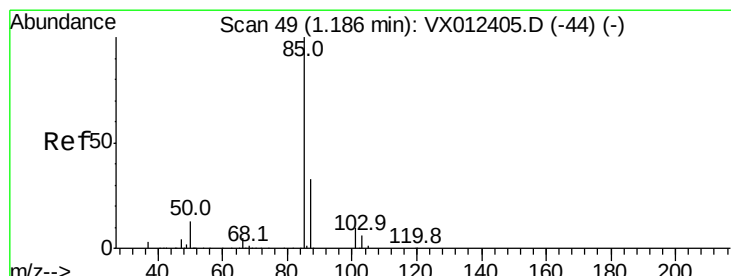
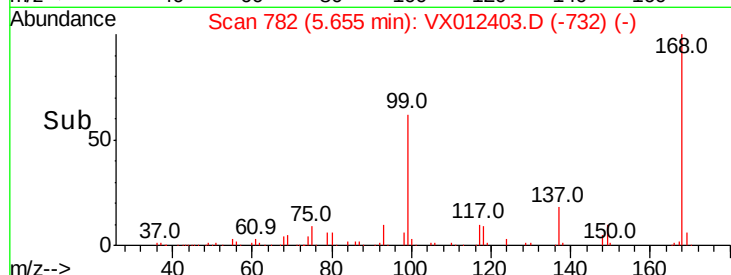
30000

20000

10000

0

Time--> 5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 3.625 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012403.D

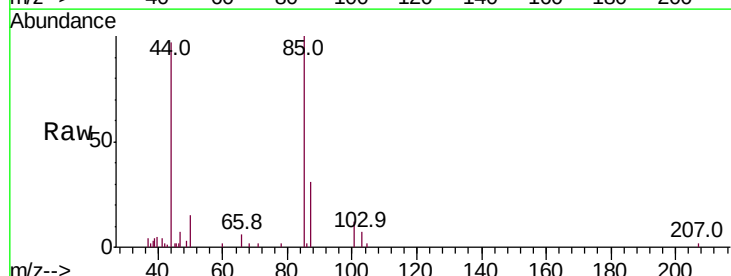
Acq: 16 Sep 2019 12:47

Tgt Ion: 85 Resp: 4071

Ion Ratio Lower Upper

85 100

87 30.9 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

4000

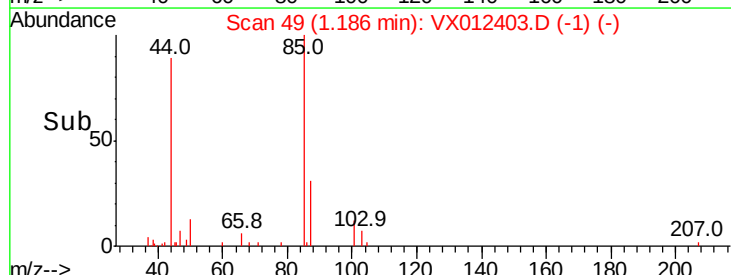
3000

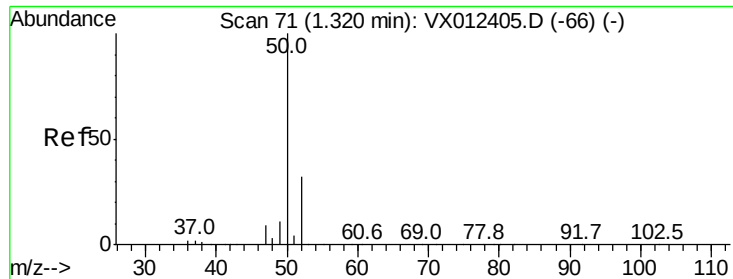
2000

1000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 3.887 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 3863

Ion Ratio Lower Upper

50 100

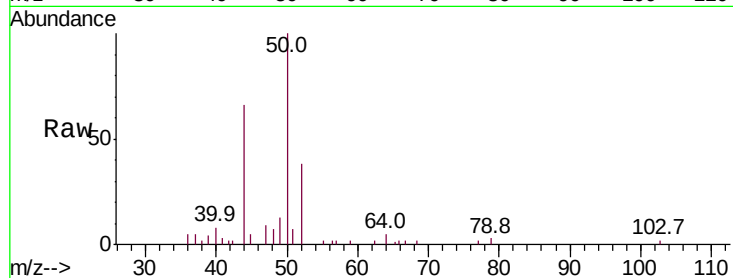
52 38.6 25.4 38.2#

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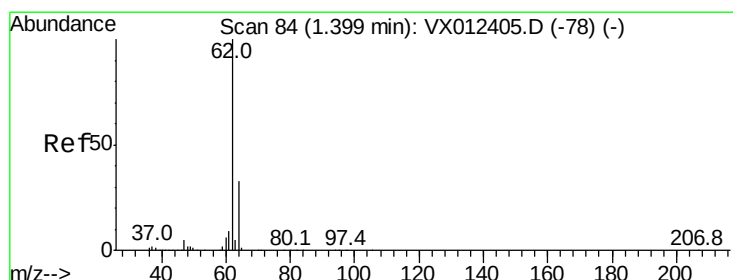
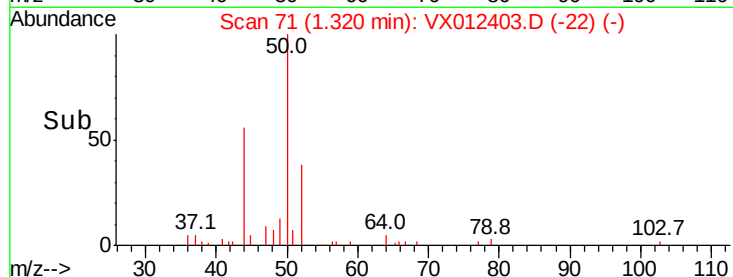
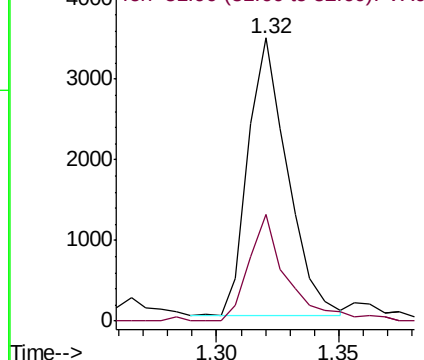
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 3.806 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012403.D

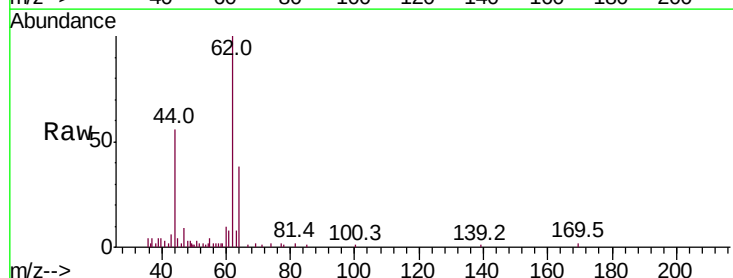
Acq: 16 Sep 2019 12:47

Tgt Ion: 62 Resp: 3831

Ion Ratio Lower Upper

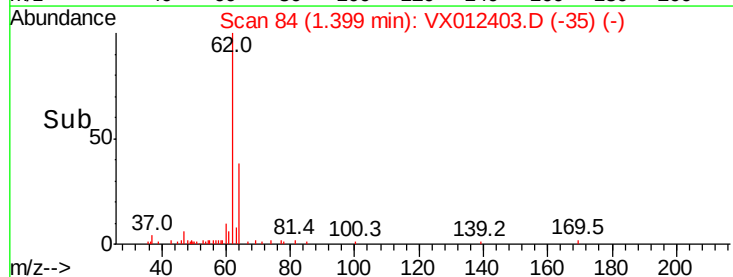
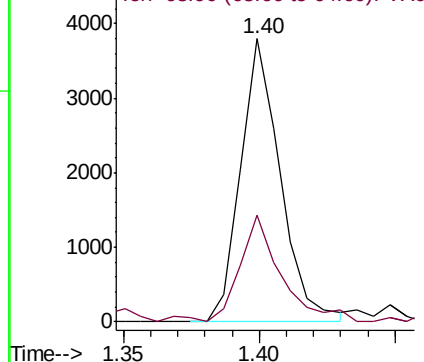
62 100

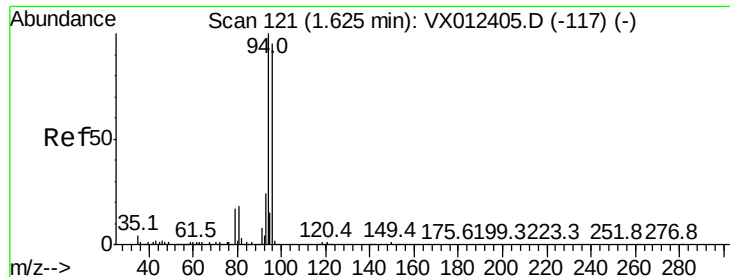
64 36.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 4.317 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 2264

Ion Ratio Lower Upper

94 100

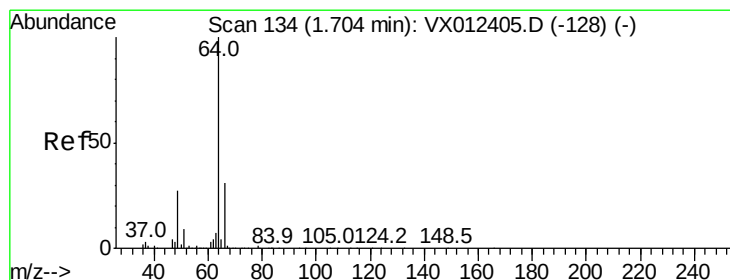
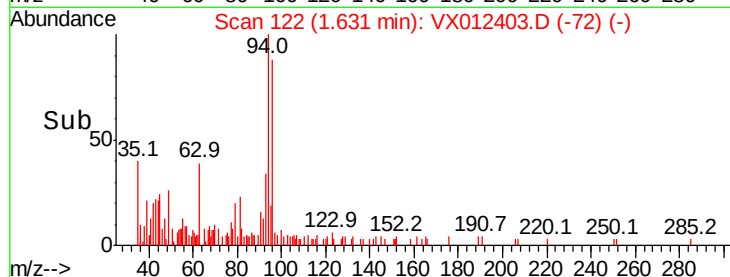
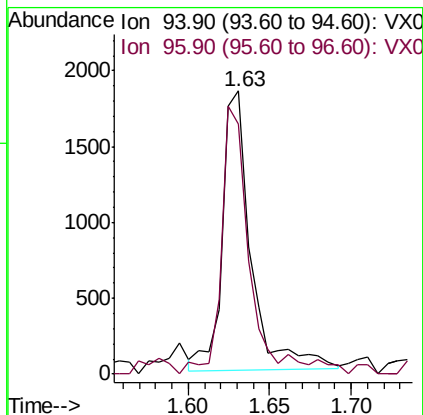
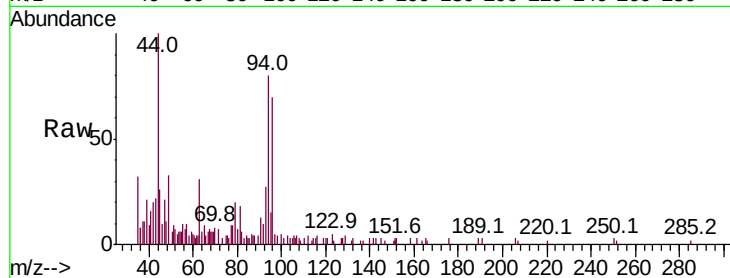
96 87.9 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 5.823 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX012403.D

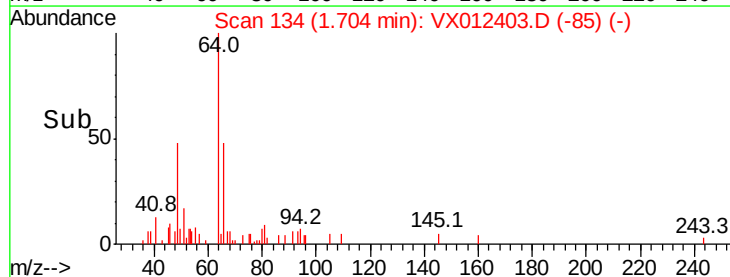
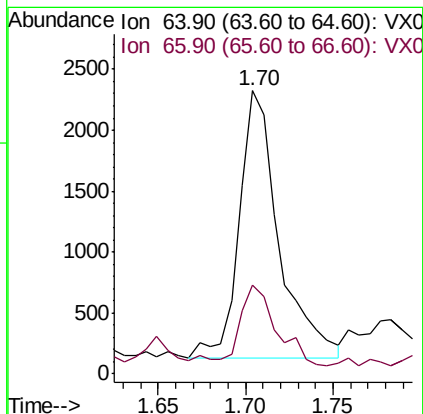
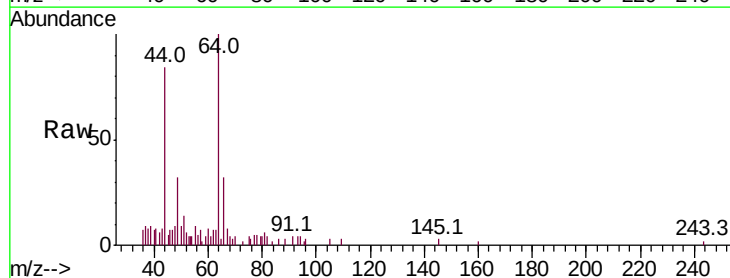
Acq: 16 Sep 2019 12:47

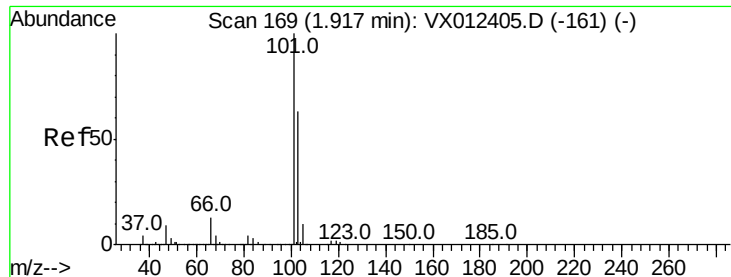
Tgt Ion: 64 Resp: 3455

Ion Ratio Lower Upper

64 100

66 29.5 24.7 37.1





#7

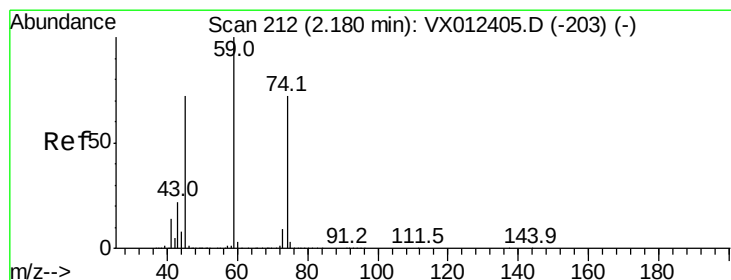
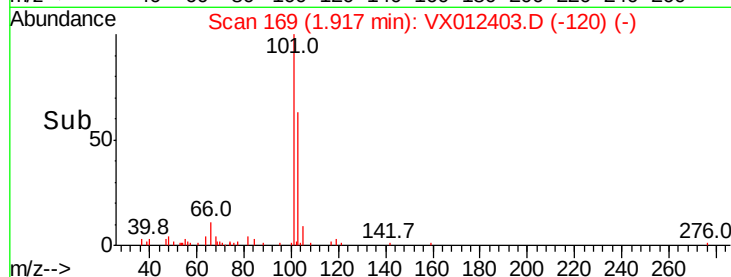
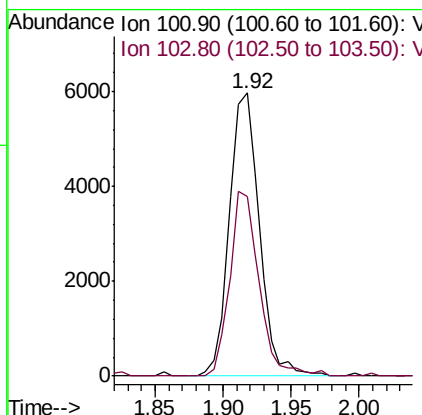
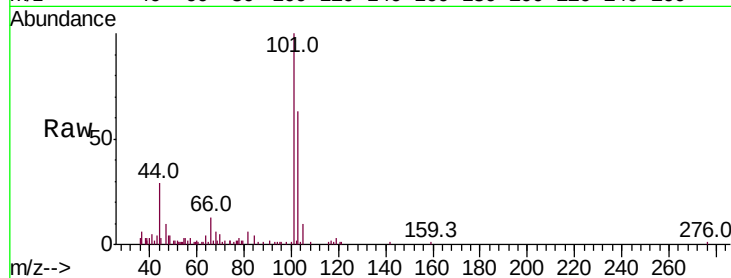
Trichlorofluoromethane
 Concen: 5.565 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.5	75.7

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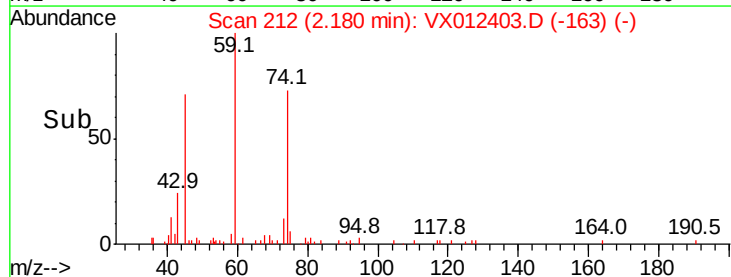
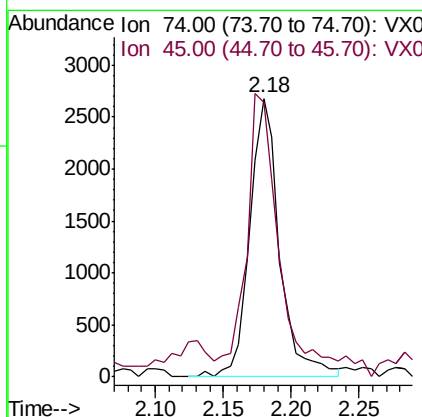
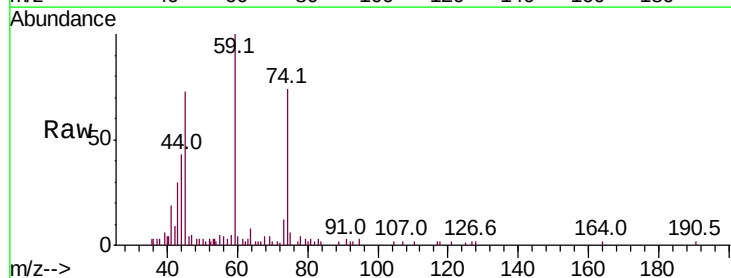
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 9/23/2019 5:04:02 PM

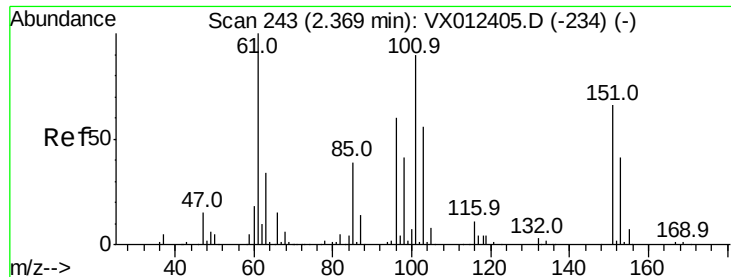


#8

Diethyl Ether
 Concen: 7.033 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.381 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

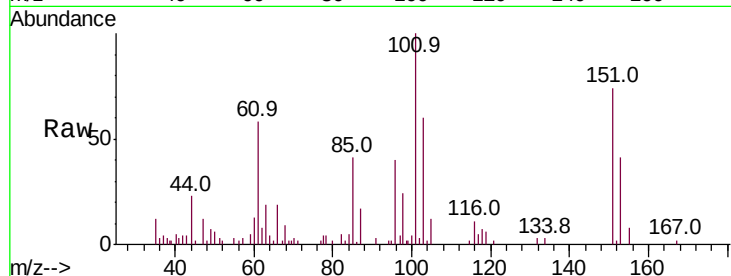
ClientSampleId :

VSTDIC005

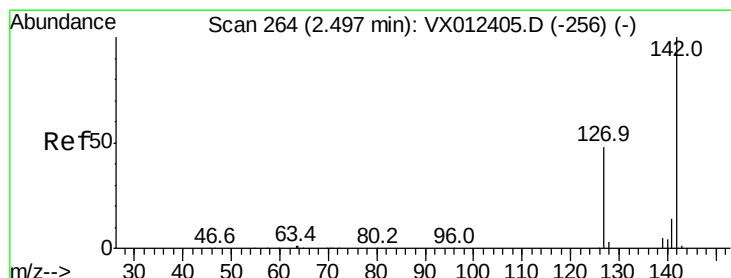
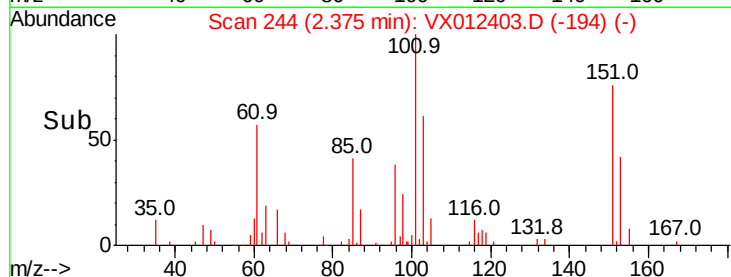
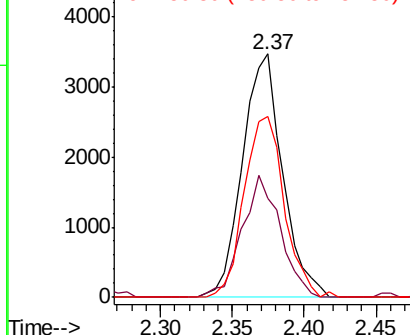
Tot Ion:	101	Resp:	6692
Ion Ratio	Lower	Upper	
101	100		
85	48.1	36.3	54.5
151	74.1	61.1	91.7

Manual Integrations
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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: 4.347 ug/l

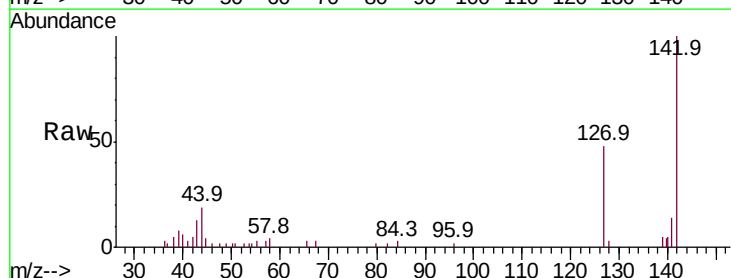
RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

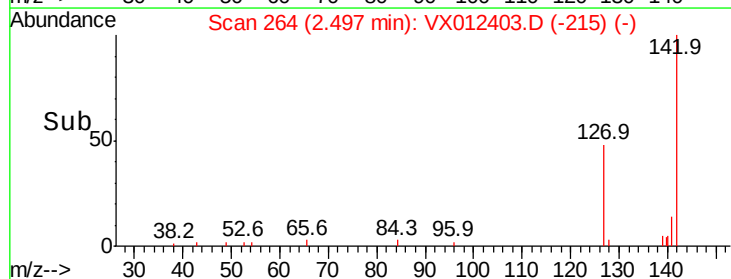
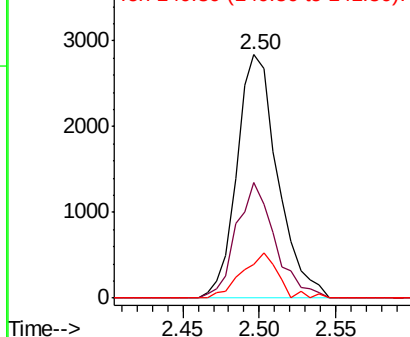
Lab File: VX012403.D

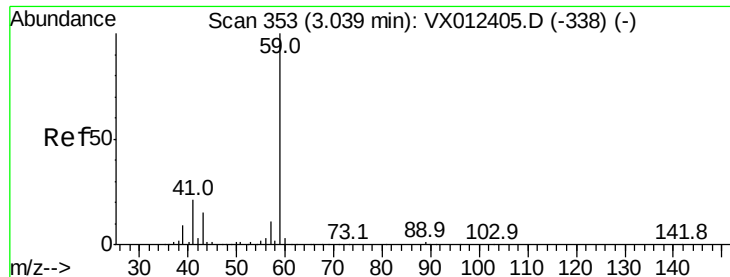
Acq: 16 Sep 2019 12:47

Tgt Ion:	142	Resp:	5254
Ion Ratio	Lower	Upper	
142	100		
127	45.2	39.6	59.4
141	16.6	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: 53.565 ug/l m

RT: 3.05 min Scan# 354

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 17001

Ion Ratio Lower Upper

59 100

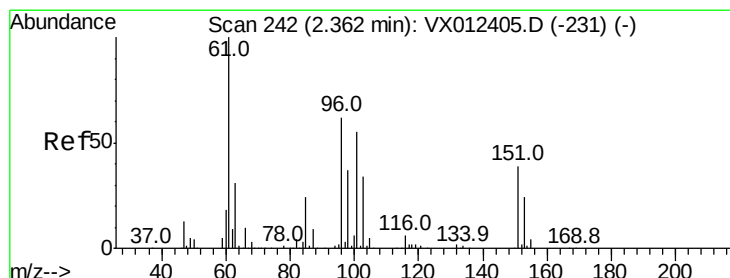
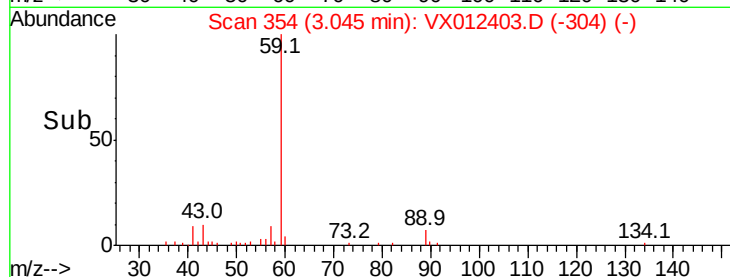
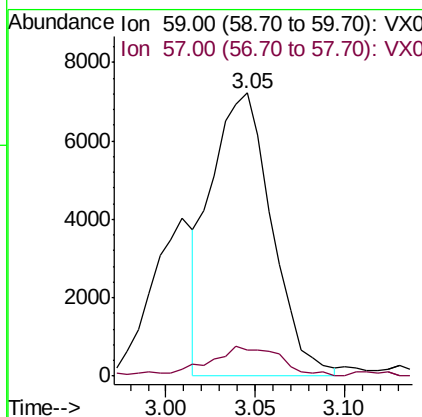
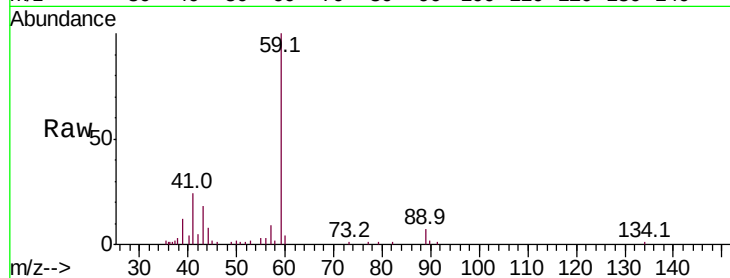
57 13.2 8.6 12.8#

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 5.285 ug/l

RT: 2.36 min Scan# 241

Delta R.T. -0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

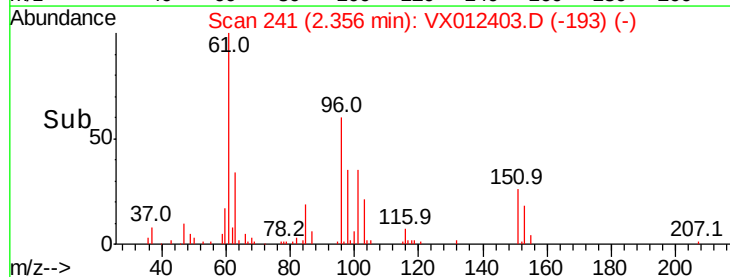
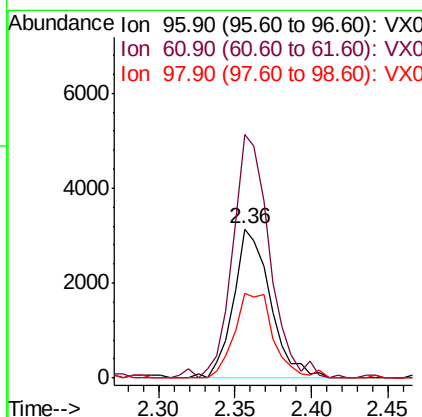
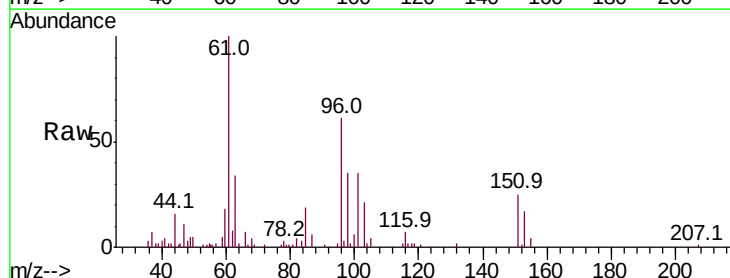
Tgt Ion: 96 Resp: 5230

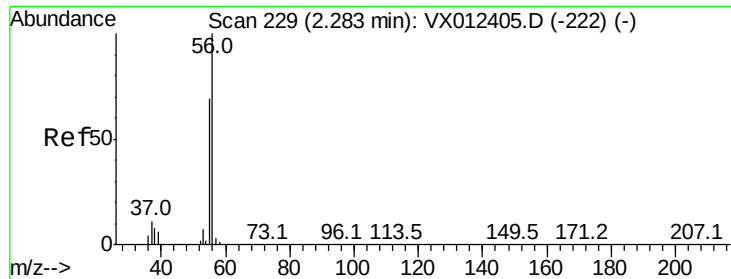
Ion Ratio Lower Upper

96 100

61 161.7 129.8 194.6

98 56.6 48.5 72.7





#13

Acrolein

Concen: 63.115 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8150

Ion Ratio Lower Upper

56 100

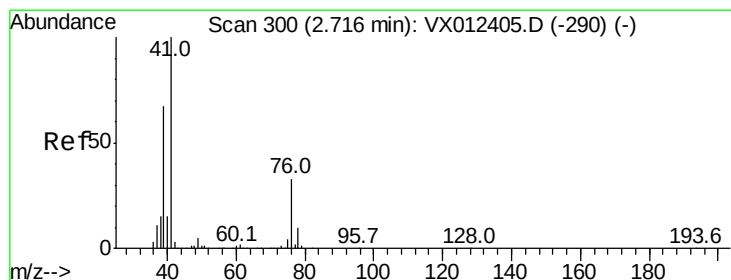
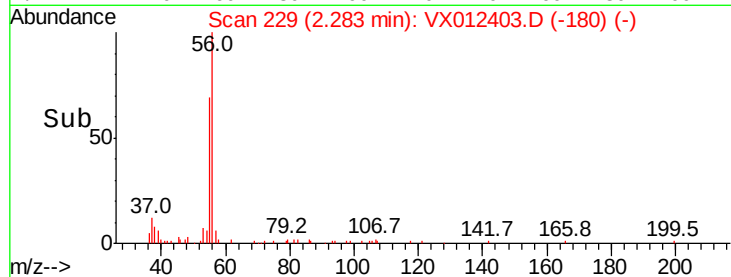
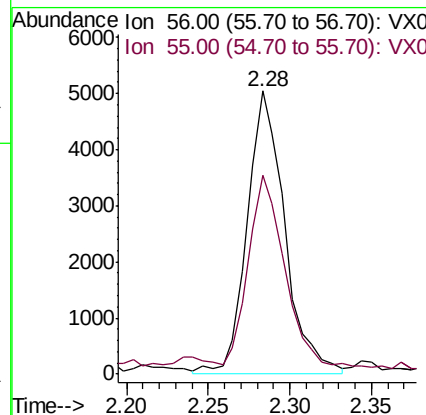
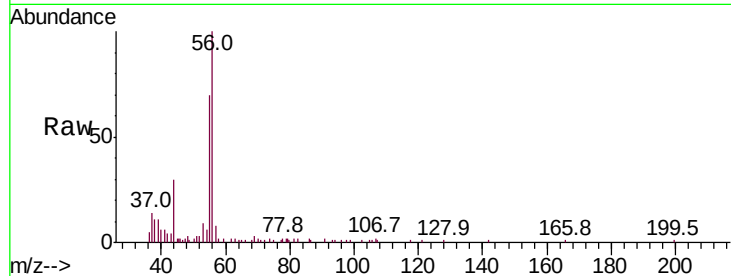
55 65.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 7.111 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

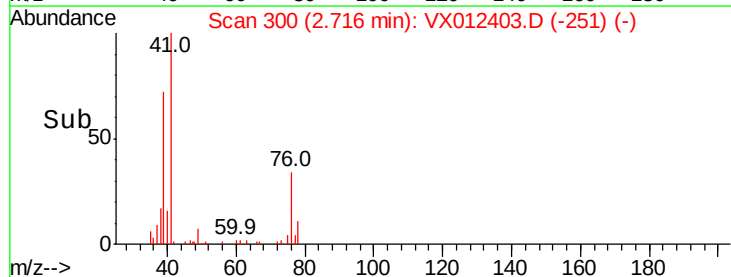
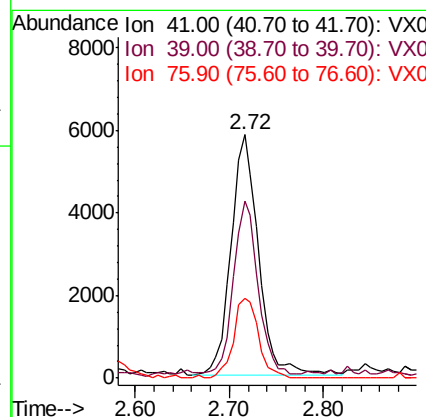
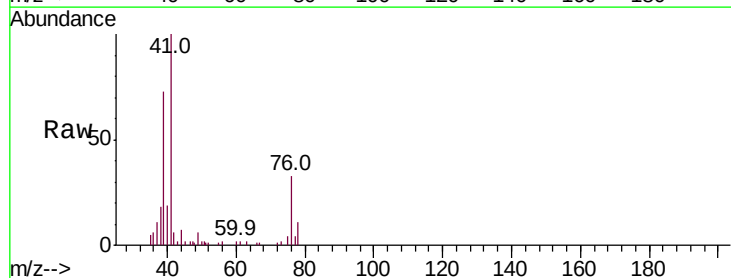
Tgt Ion: 41 Resp: 11794

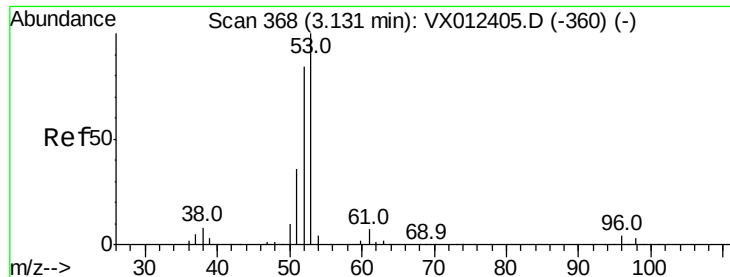
Ion Ratio Lower Upper

41 100

39 63.5 51.1 76.7

76 30.2 23.4 35.2





#15

Acrylonitrile

Concen: 41.832 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

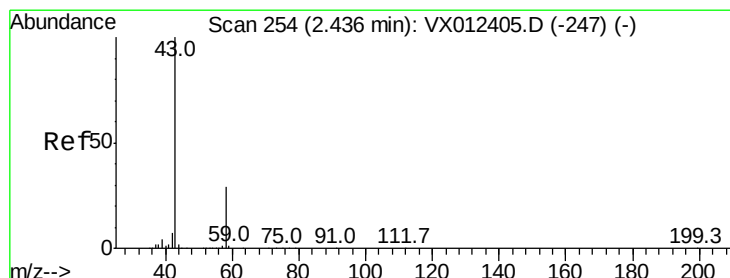
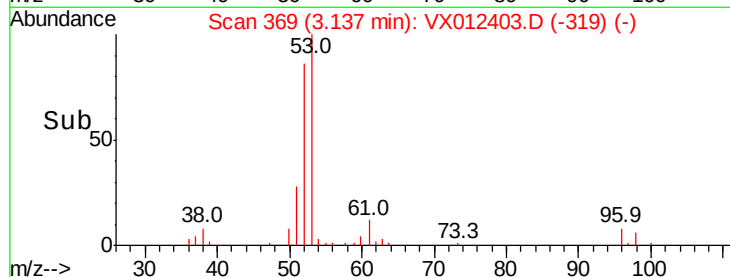
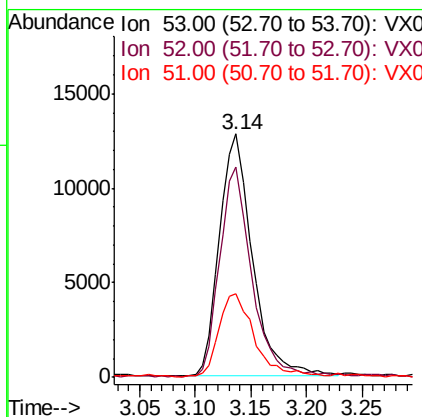
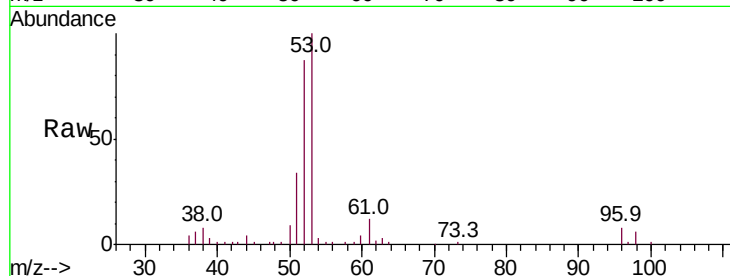
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	26527
Ion	Ratio	Lower	Upper
53	100		
52	85.1	67.4	101.2
51	37.7	29.8	44.6

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#16

Acetone

Concen: 51.888 ug/l

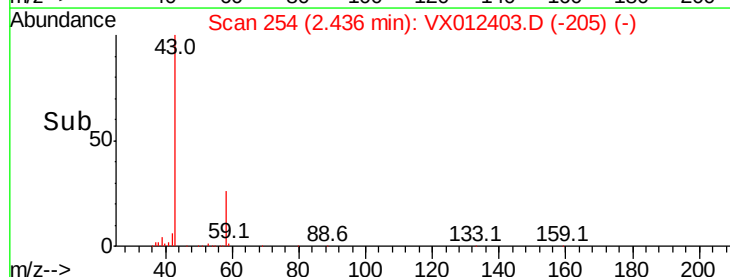
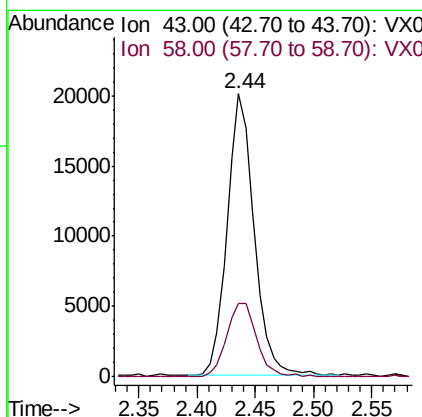
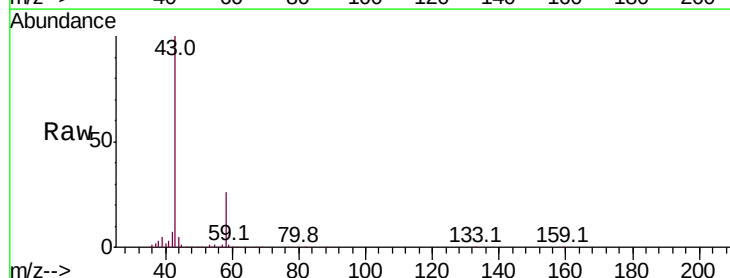
RT: 2.44 min Scan# 254

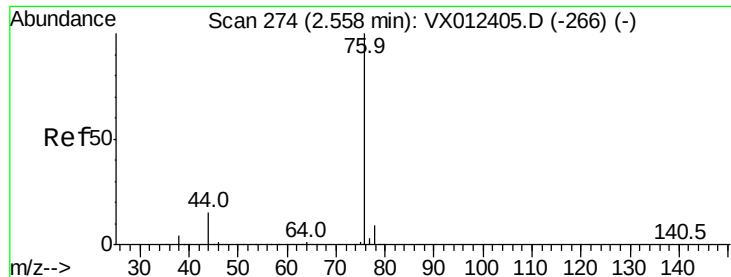
Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion:	43	Resp:	32134
Ion	Ratio	Lower	Upper
43	100		
58	26.0	23.5	35.3





#17

Carbon Disulfide

Concen: 2.332 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 5272

Ion Ratio Lower Upper

76 100

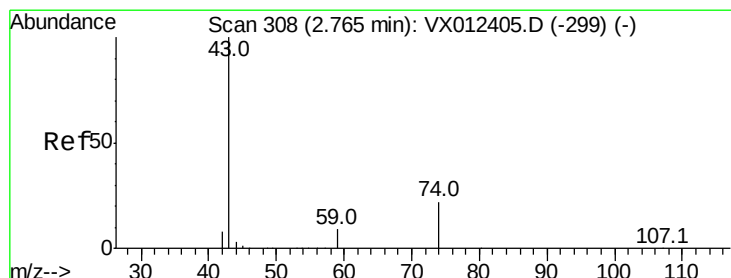
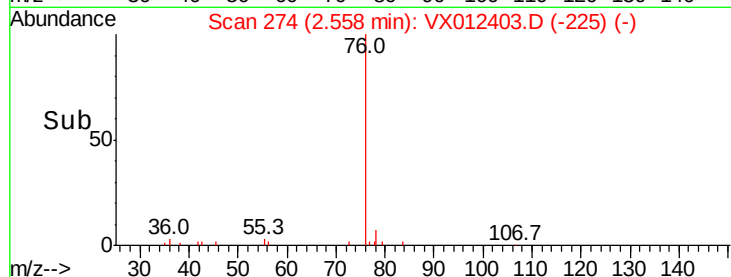
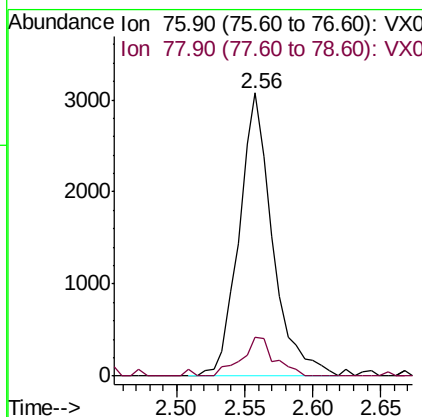
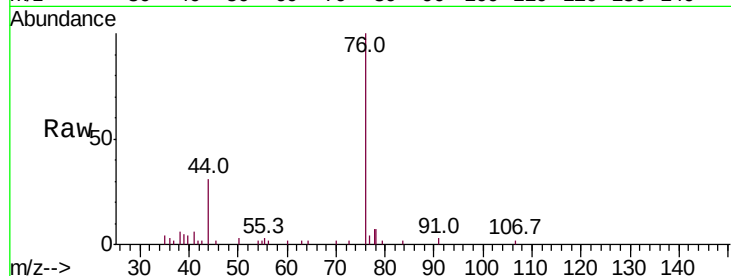
78 13.7 7.1 10.7#

Manual Integrations

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#18

Methyl Acetate

Concen: 8.026 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012403.D

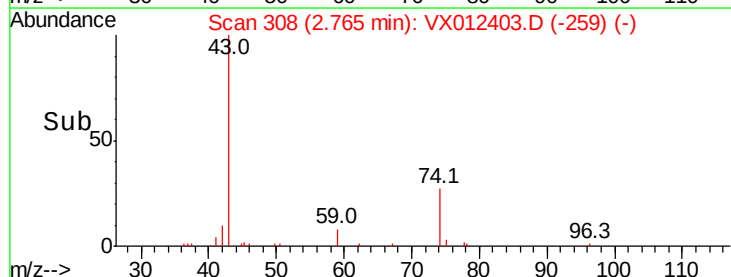
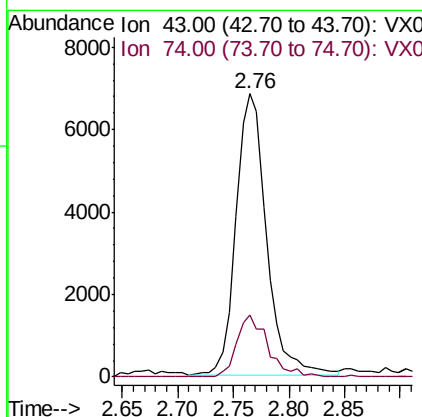
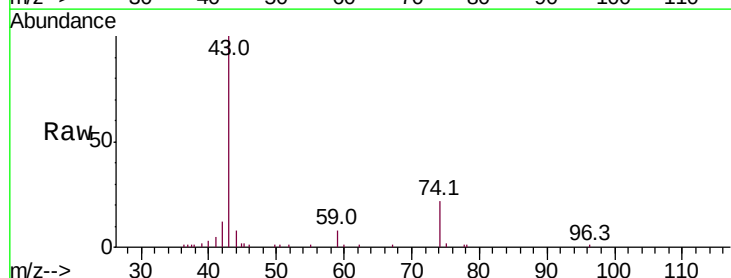
Acq: 16 Sep 2019 12:47

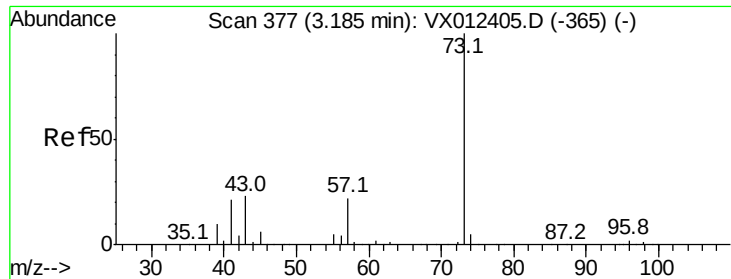
Tgt Ion: 43 Resp: 12899

Ion Ratio Lower Upper

43 100

74 22.7 18.2 27.2





#19

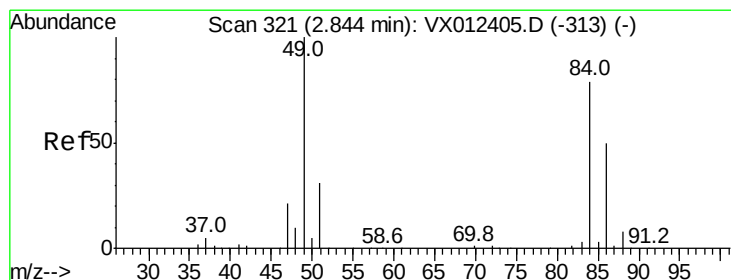
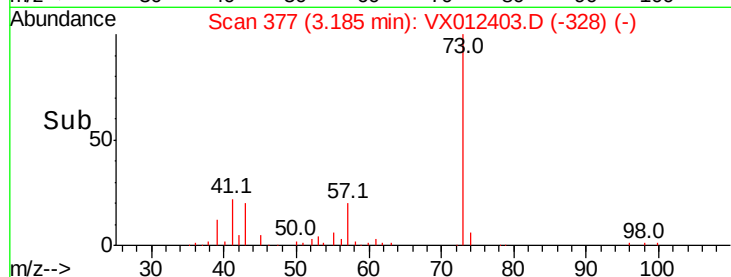
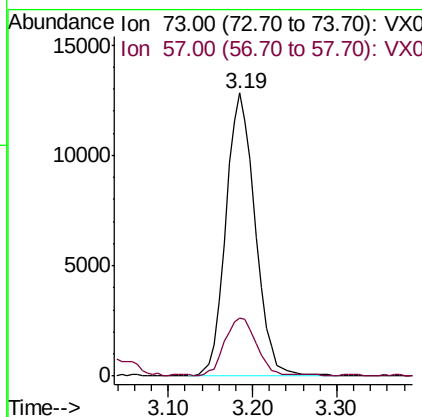
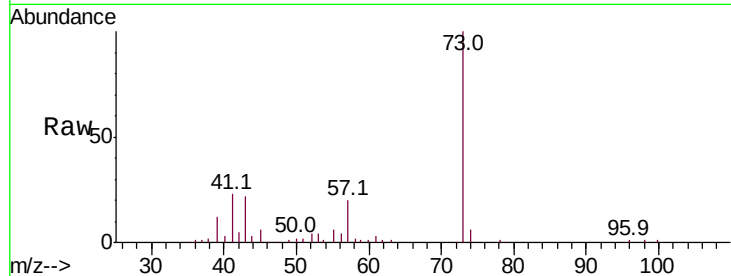
Methyl tert-butyl Ether
 Concen: 8.564 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 73 Resp: 30285
 Ion Ratio Lower Upper
 73 100
 57 20.3 17.8 26.6

Manual Integrations
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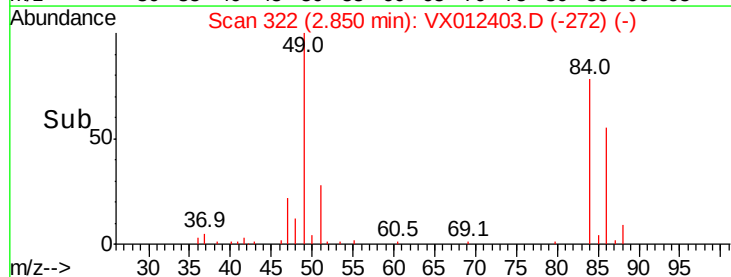
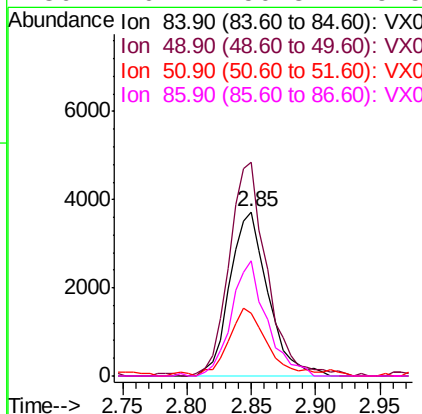
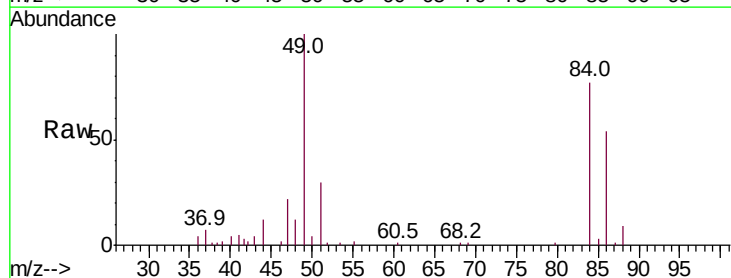
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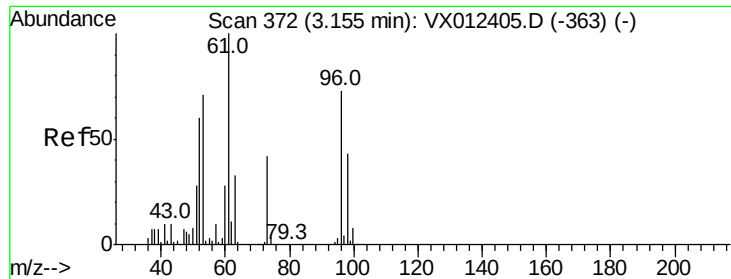


#20

Methylene Chloride
 Concen: 6.660 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Tgt Ion: 84 Resp: 7680
 Ion Ratio Lower Upper
 84 100
 49 130.1 101.7 152.5
 51 37.1 31.2 46.8
 86 70.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 5.165 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

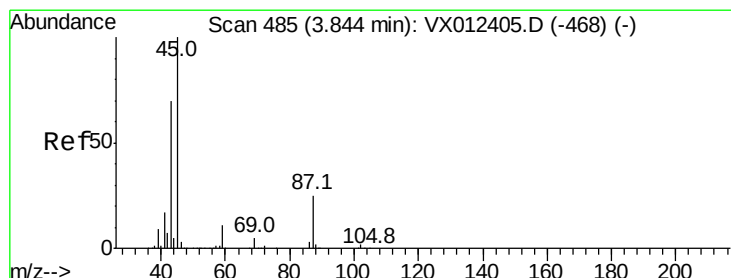
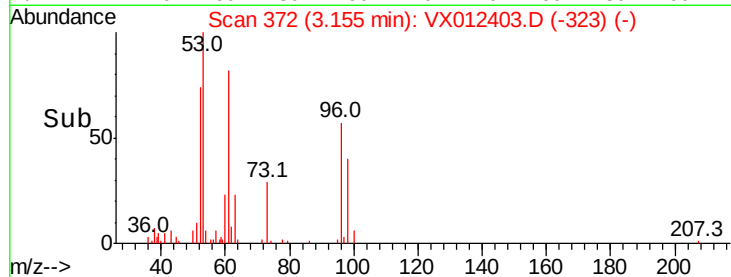
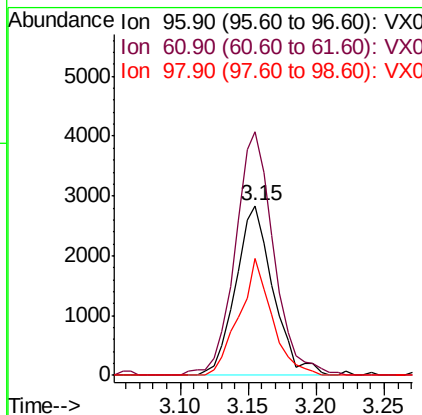
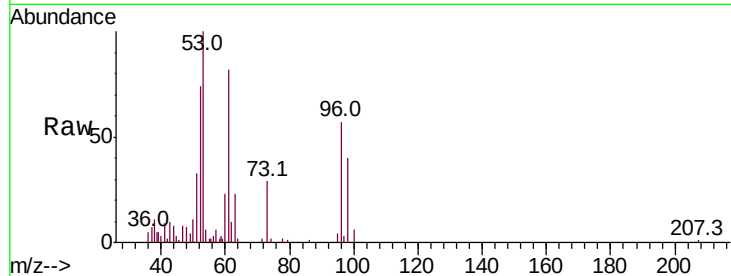
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	5441
Ion	Ratio	Lower	Upper
96	100		
61	141.5	109.7	164.5
98	69.2	47.0	70.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 8.425 ug/l

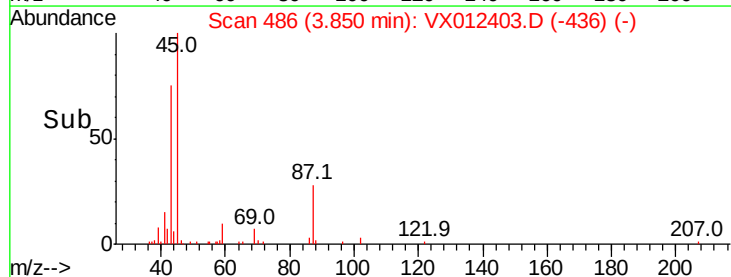
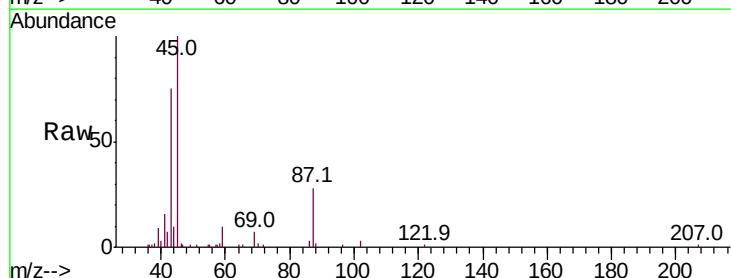
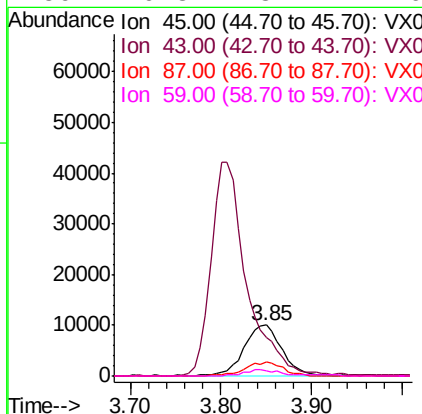
RT: 3.85 min Scan# 486

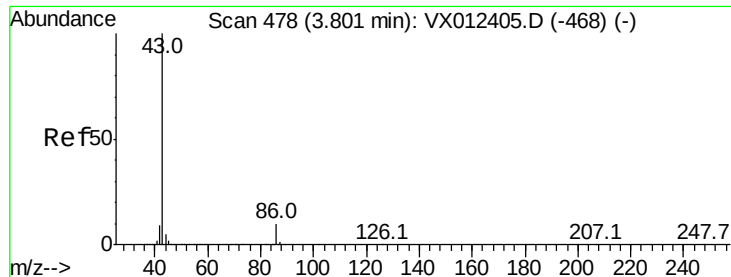
Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion:	45	Resp:	28482
Ion	Ratio	Lower	Upper
45	100		
43	71.4	55.8	83.8
87	27.7	20.0	30.0
59	10.3	8.4	12.6





#23

Vinyl Acetate

Concen: 40.996 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 115356

Ion Ratio Lower Upper

43 100

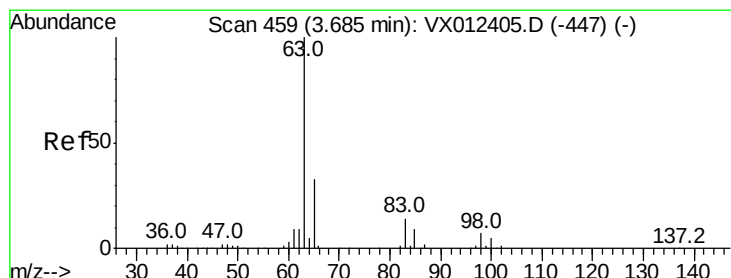
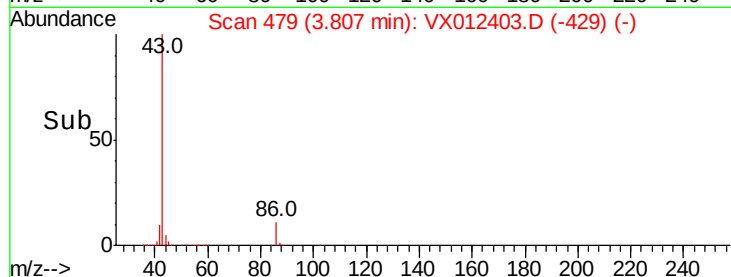
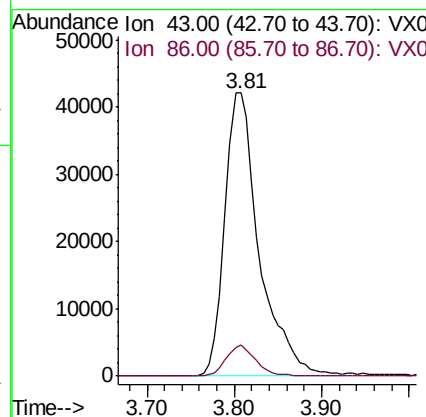
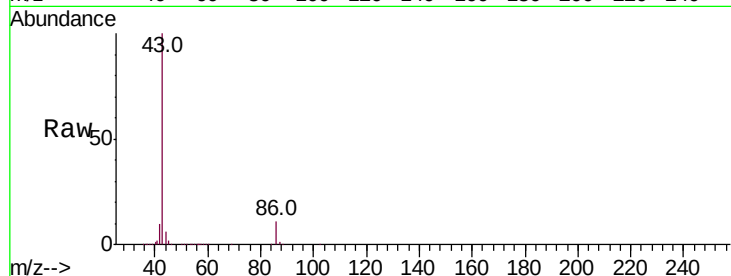
86 11.1 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 7.576 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

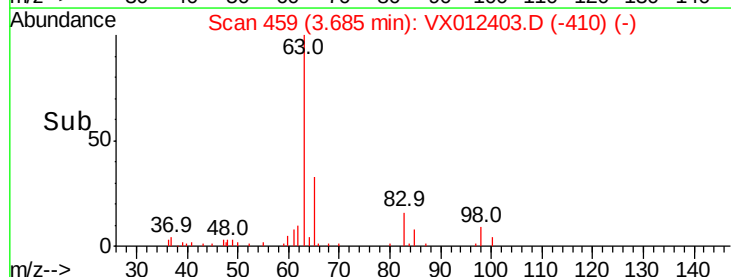
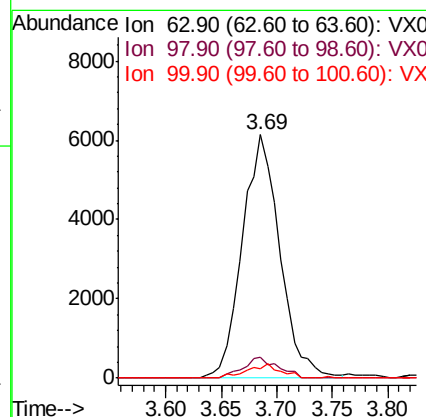
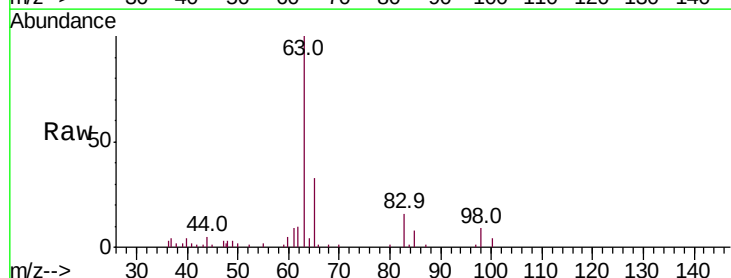
Tgt Ion: 63 Resp: 14373

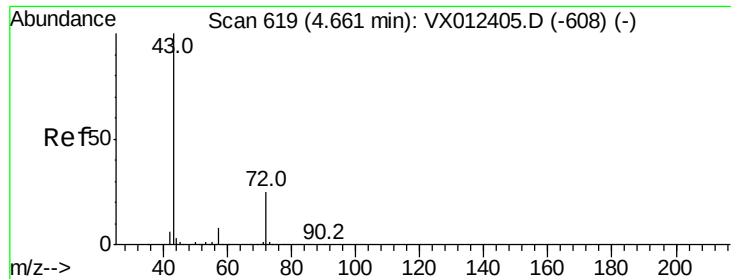
Ion Ratio Lower Upper

63 100

98 8.6 3.5 10.6

100 3.9 2.5 7.5





#25

2-Butanone

Concen: 47.653 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 43141

Ion Ratio Lower Upper

43 100

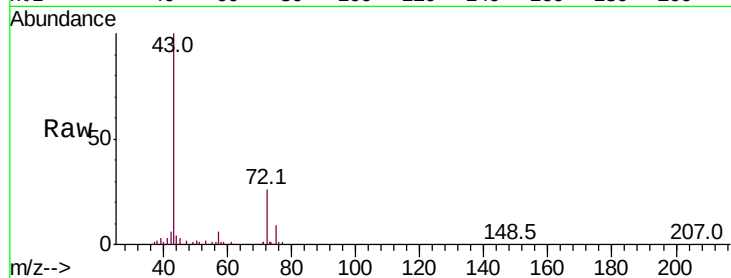
72 25.2 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

15000

10000

5000

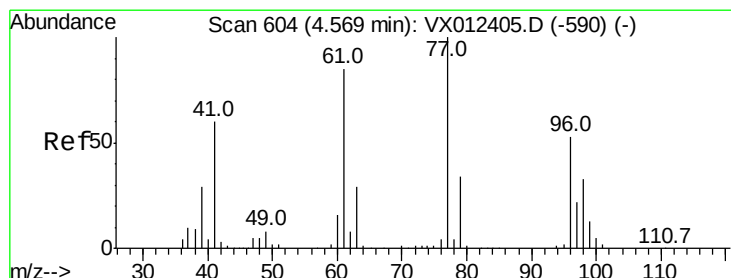
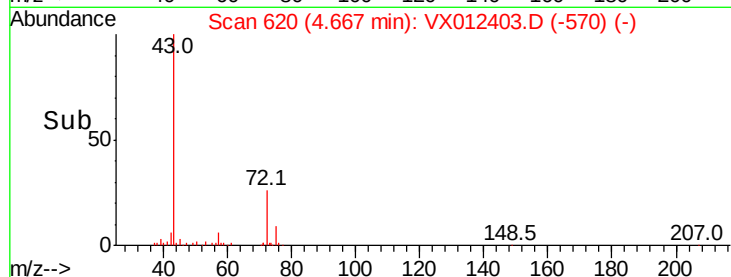
0

4.67

4.60

4.70

Time-->



#26

2,2-Dichloropropane

Concen: 8.319 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012403.D

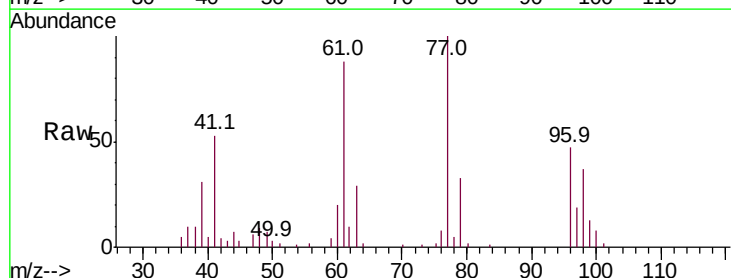
Acq: 16 Sep 2019 12:47

Tgt Ion: 77 Resp: 13869

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

5000

4000

3000

2000

1000

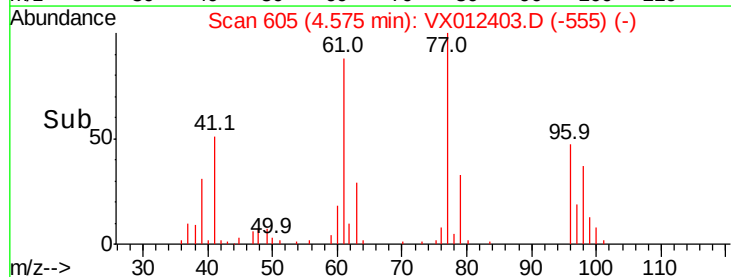
0

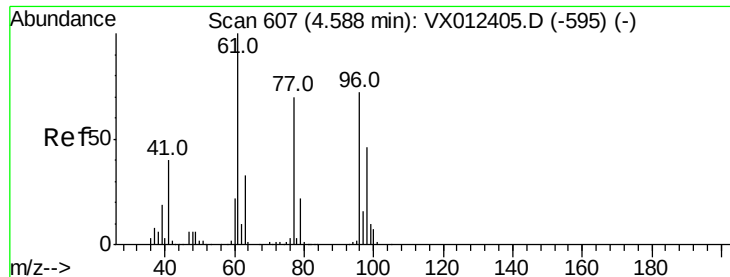
4.58

4.50

4.60

Time-->





#27

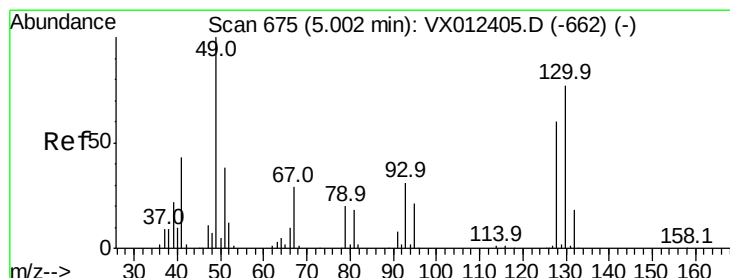
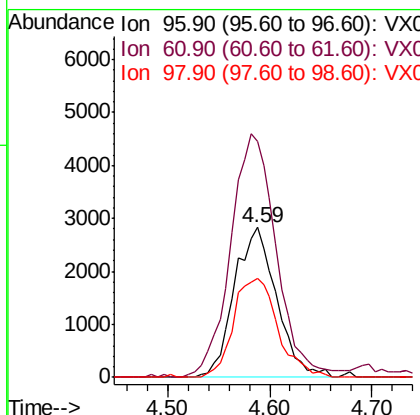
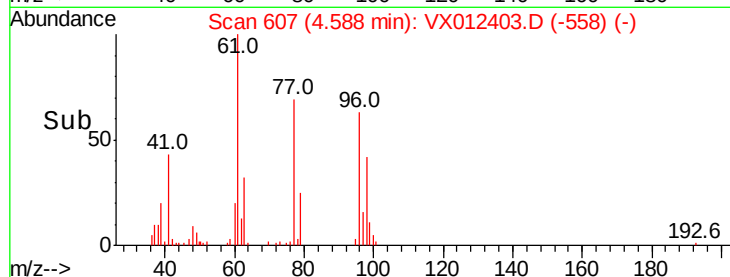
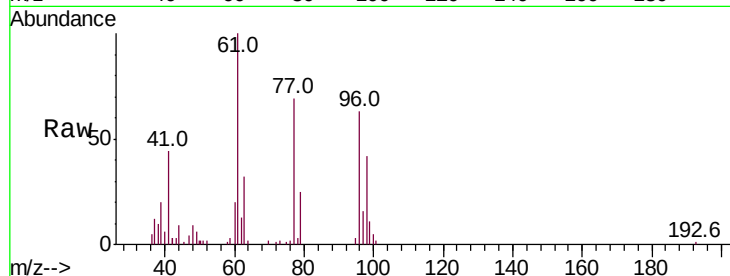
cis-1,2-Dichloroethene
Concen: 6.379 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.7	0.0	307.6
98	69.1	0.0	129.8

Manual Integrations
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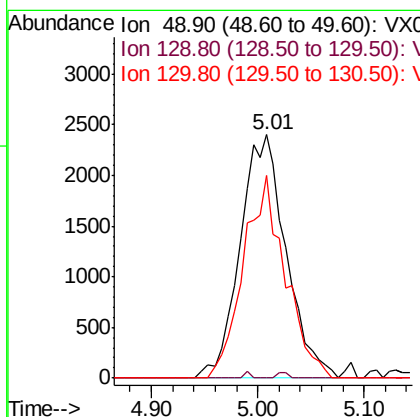
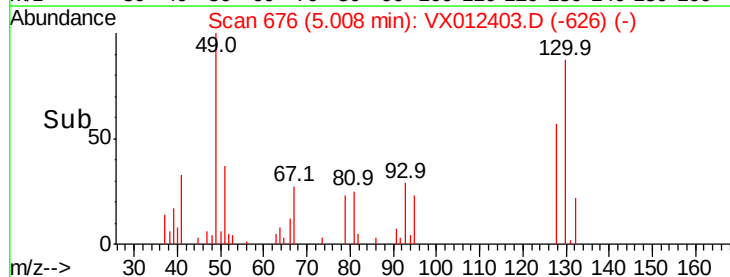
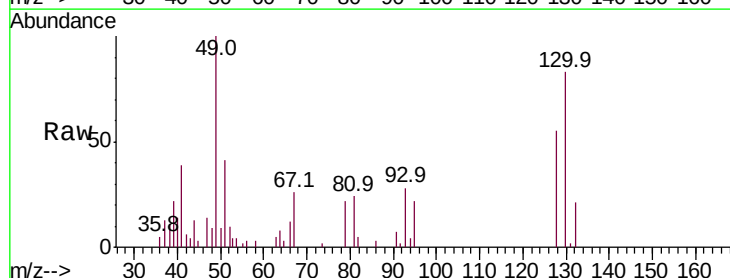
MMDadoda
9/23/2019 5:04:02 PM

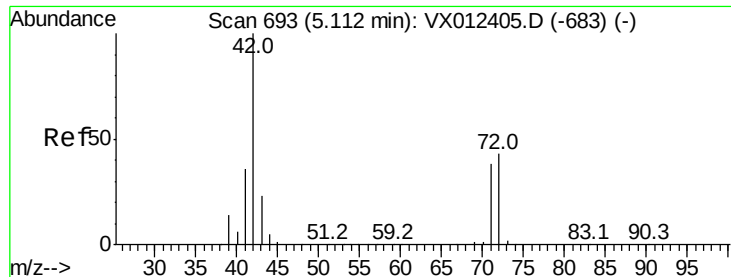


#28

Bromochloromethane
Concen: 8.272 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	75.7	61.3	91.9





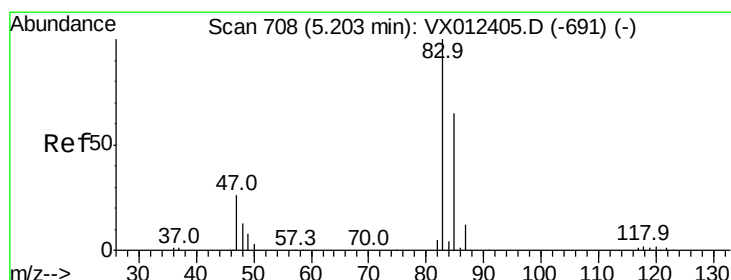
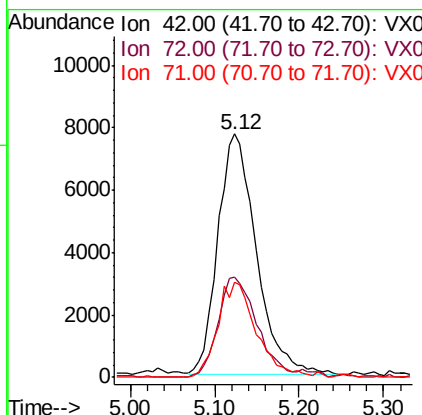
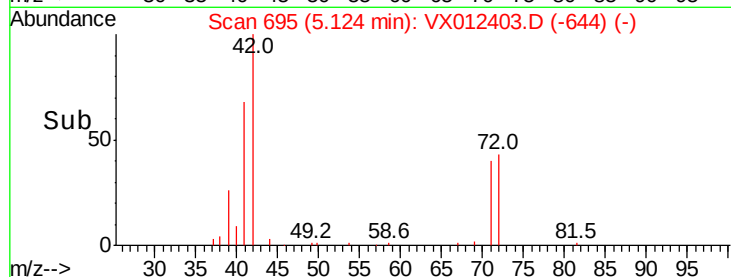
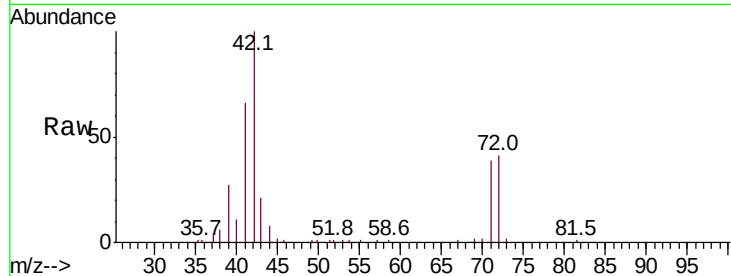
#29
Tetrahydrofuran
Concen: 42.969 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.9	52.3
71	39.6	32.6	48.8

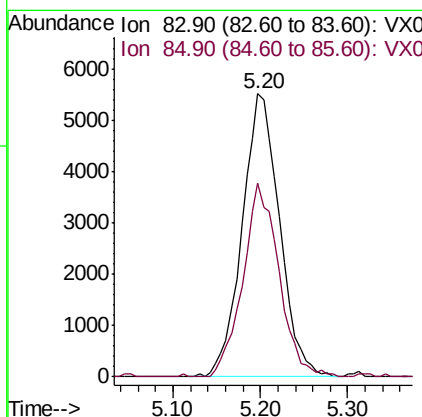
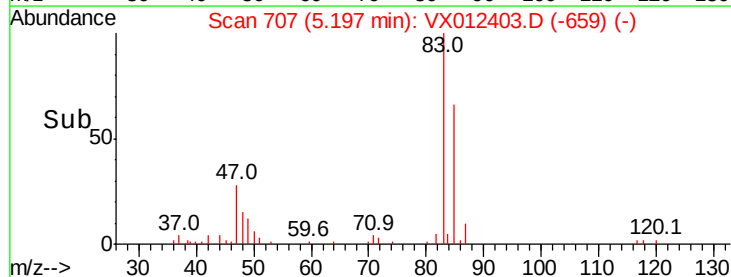
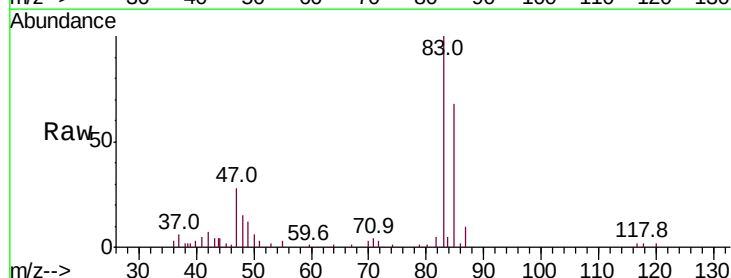
Manual Integrations
APPROVED

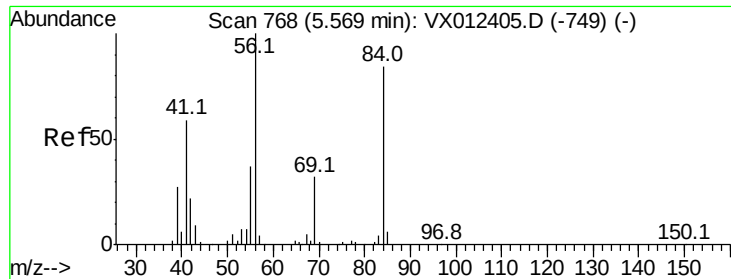
MMDadoda
9/23/2019 5:04:02 PM



#30
Chloroform
Concen: 7.857 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	51.9	77.9





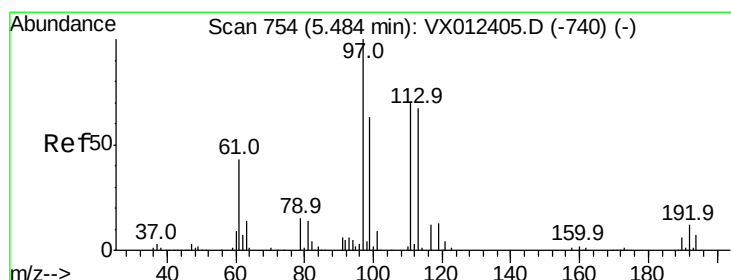
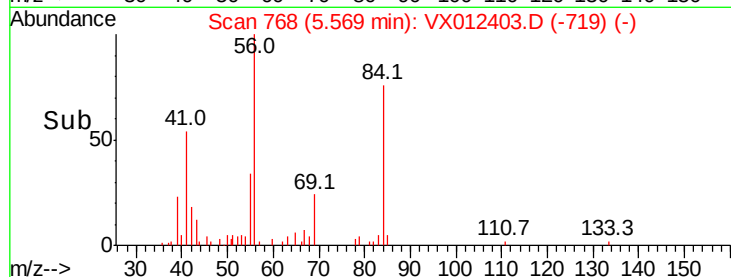
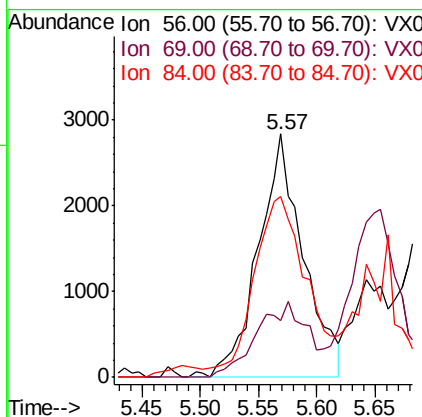
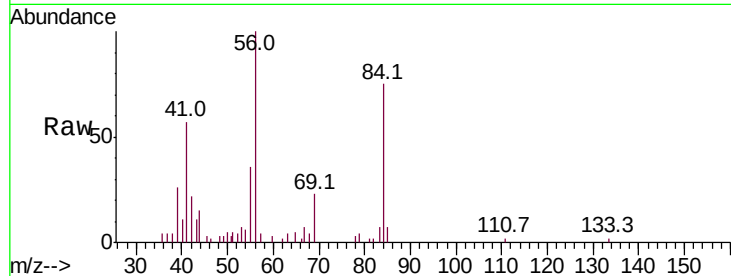
#31
Cyclohexane
Concen: 4.937 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	23.4	24.9	37.3#
84	68.0	67.2	100.8

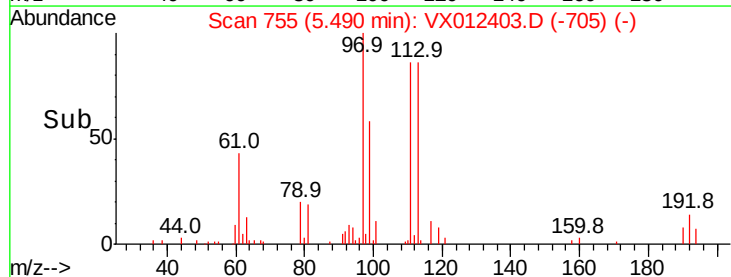
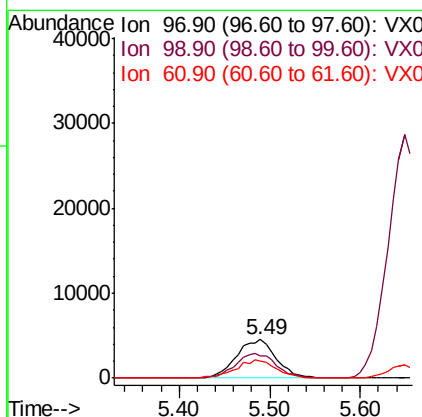
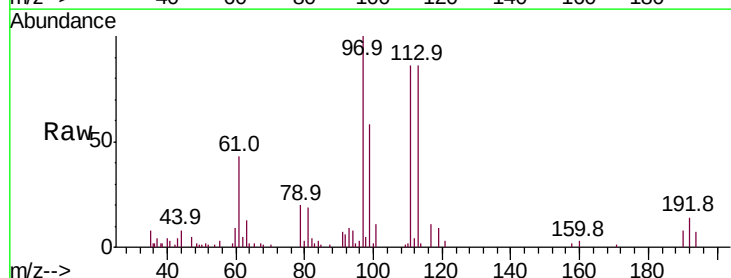
Manual Integrations
APPROVED

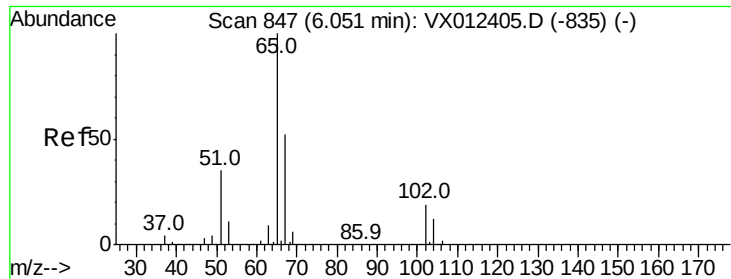
MMDadoda
9/23/2019 5:04:02 PM



#32
1,1,1-Trichloroethane
Concen: 7.649 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.7	77.5
61	47.1	35.7	53.5





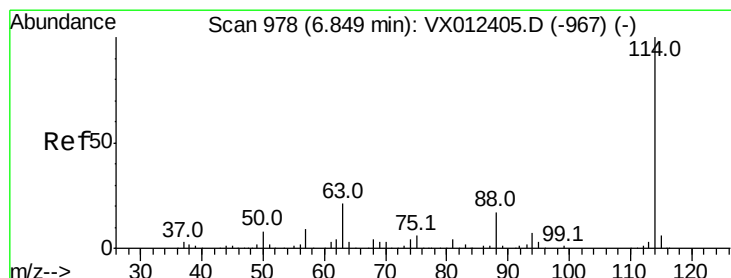
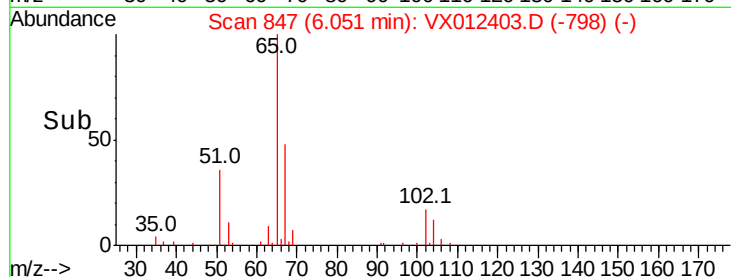
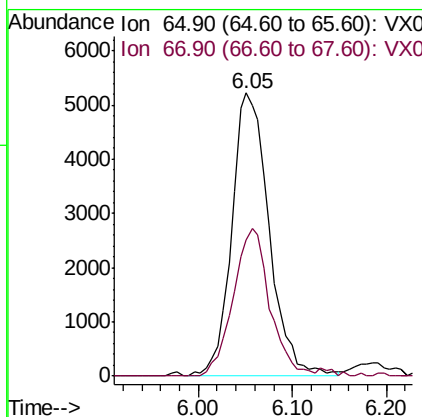
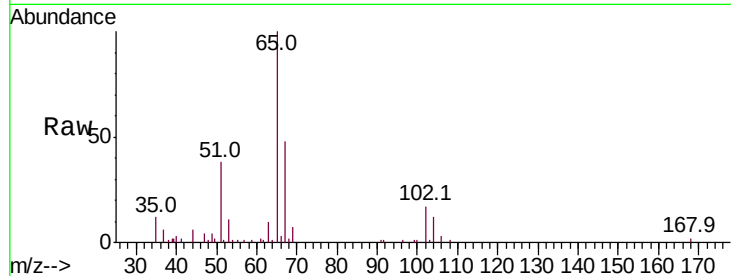
#33
 1,2-Dichloroethane-d4
 Concen: 9.744 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.8

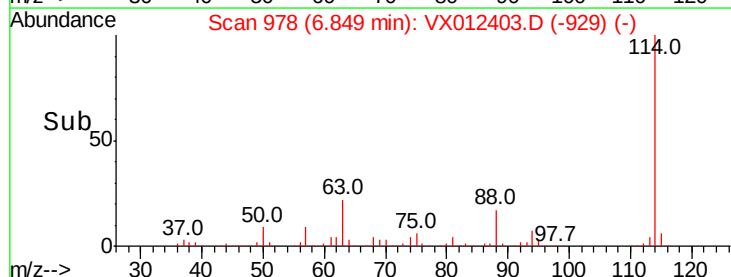
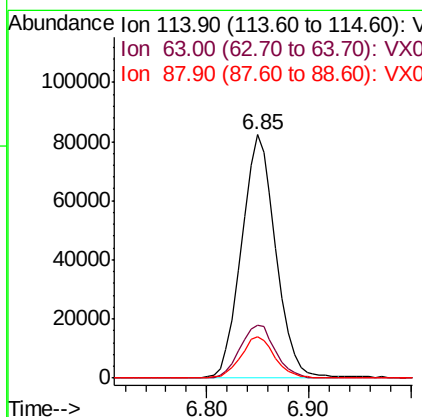
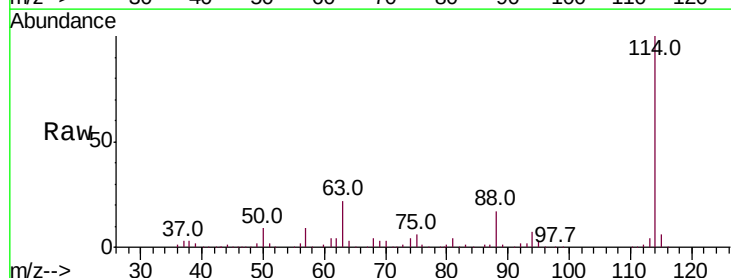
Manual Integrations
 APPROVED

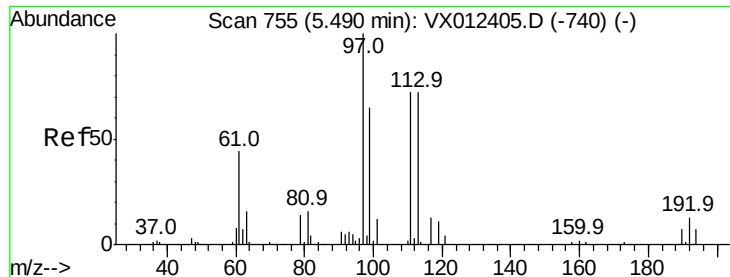
MMDadoda
 9/23/2019 5:04:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.4
88	17.2	0.0	33.4





#35

Dibromofluoromethane

Concen: 8.148 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:113 Resp: 11096

Ion Ratio Lower Upper

113 100

111 100.0 81.8 122.6

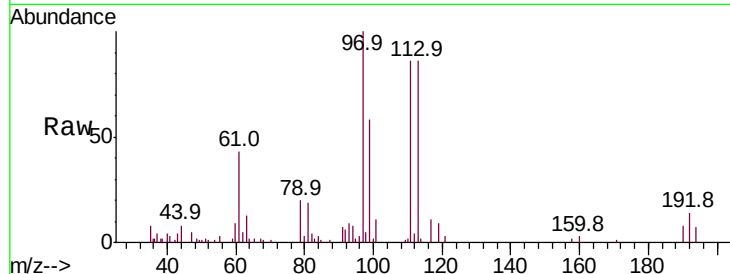
192 17.5 15.0 22.4

Manual Integrations

APPROVED

MMDadoda

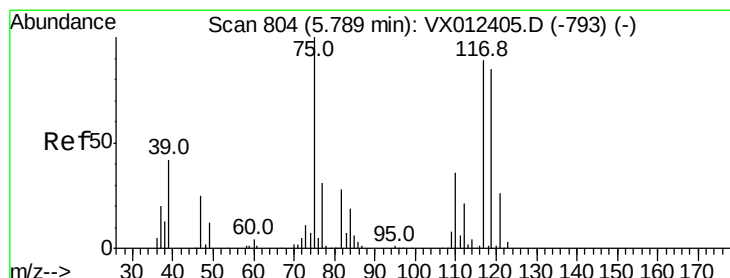
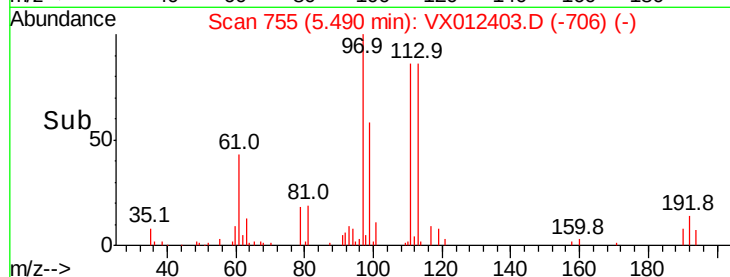
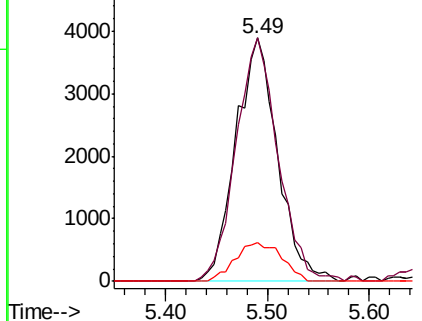
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.452 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

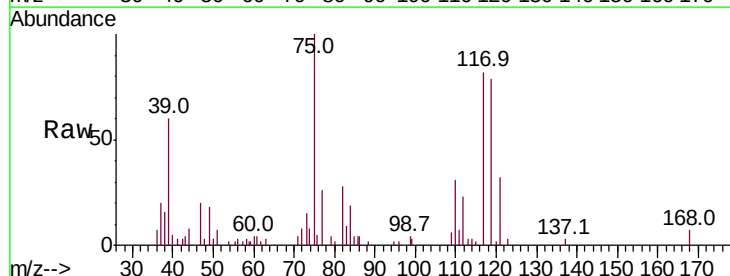
Tgt Ion: 75 Resp: 8468

Ion Ratio Lower Upper

75 100

110 35.3 17.4 52.2

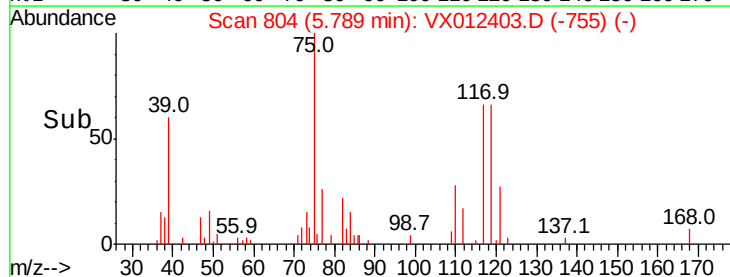
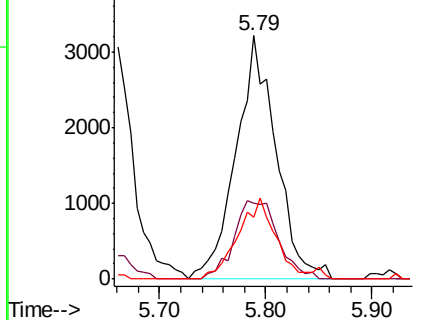
77 31.2 24.8 37.2

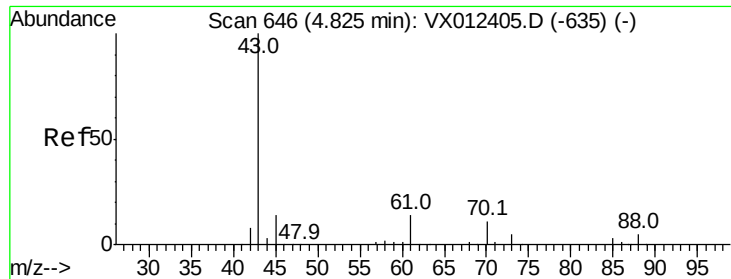


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





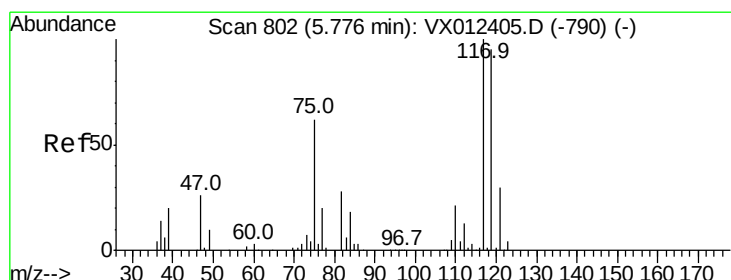
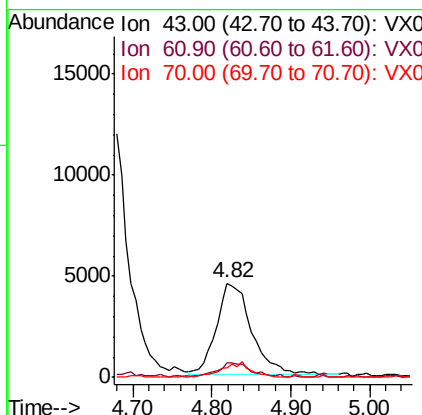
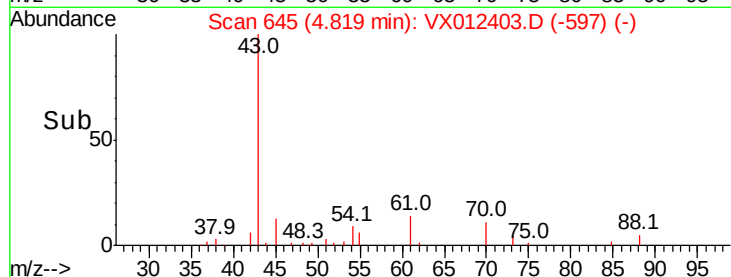
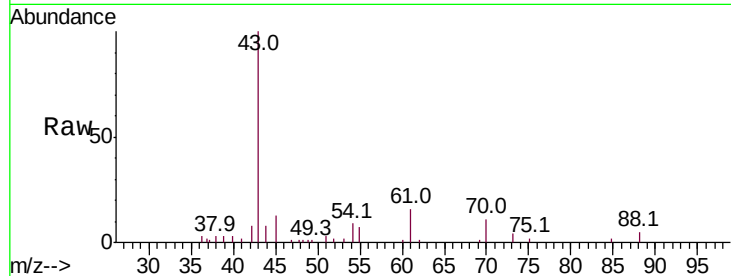
#37
Ethyl Acetate
Concen: 7.963 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.2	16.8
70	13.3	9.0	13.6

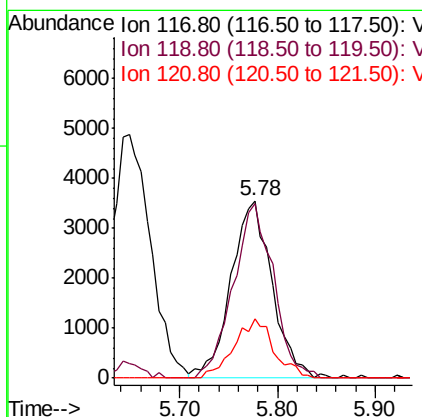
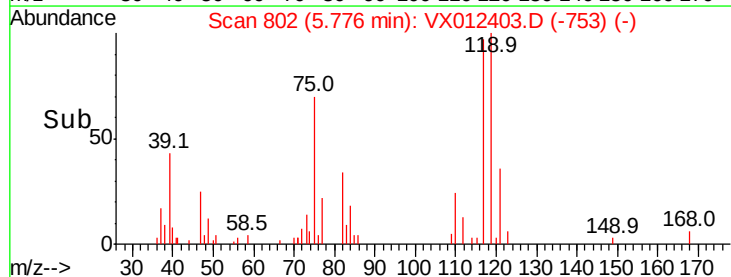
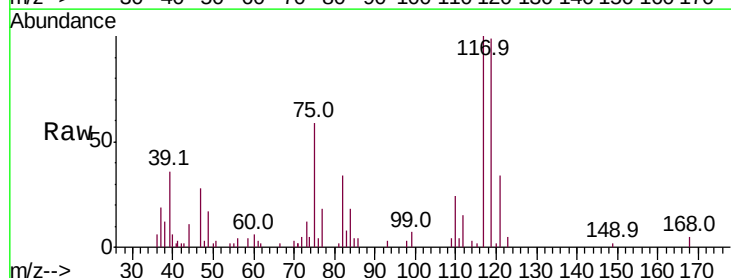
Manual Integrations
APPROVED

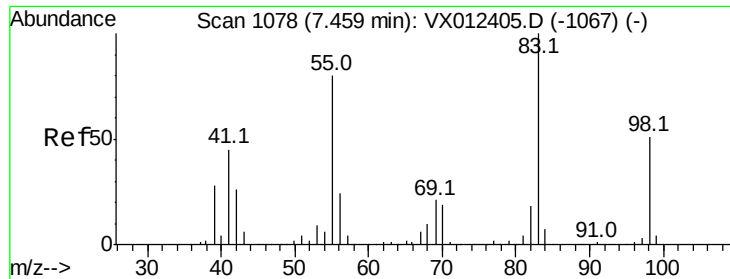
MMDadoda
9/23/2019 5:04:02 PM



#38
Carbon Tetrachloride
Concen: 5.727 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.8	113.8
121	33.6	23.8	35.6





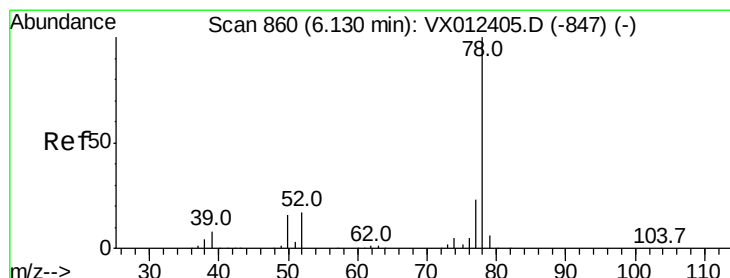
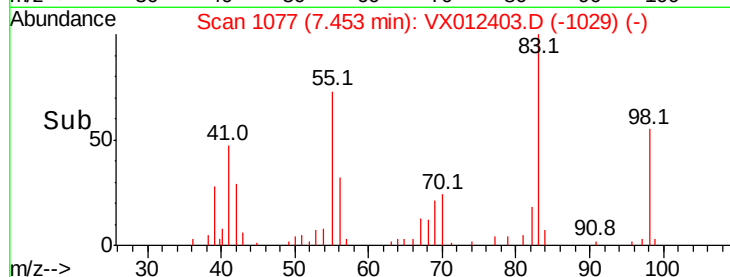
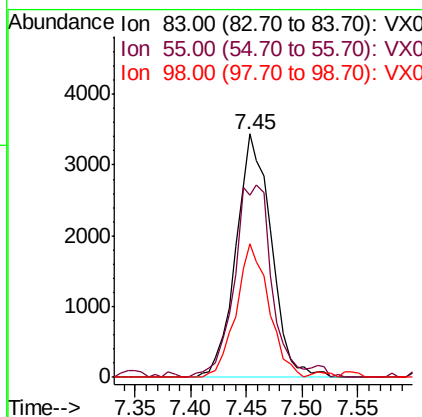
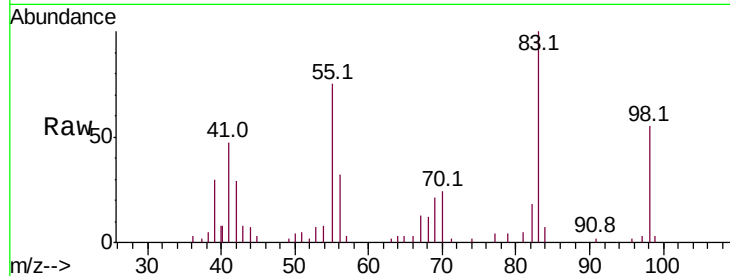
#39
Methylvlcyclohexane
Concen: 4.092 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	7544
Ion	Ratio	Lower	Upper
83	100		
55	74.9	63.8	95.6
98	54.8	40.6	61.0

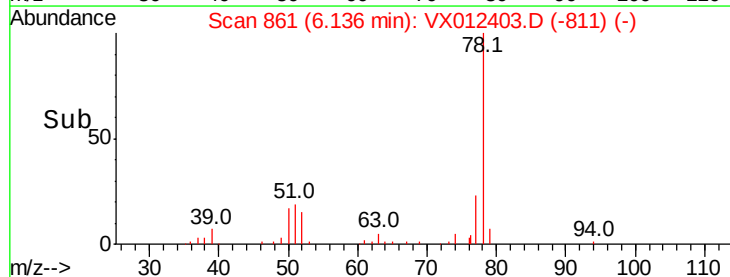
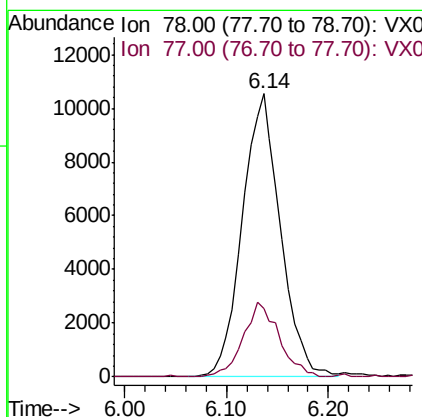
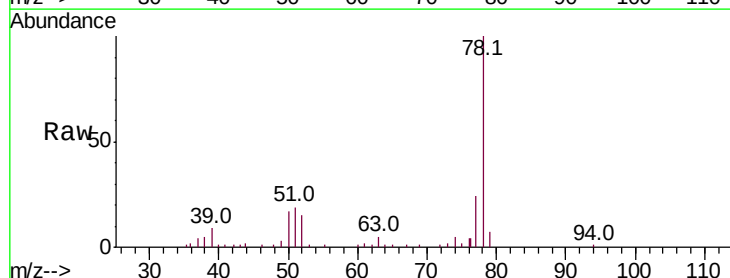
Manual Integrations
APPROVED

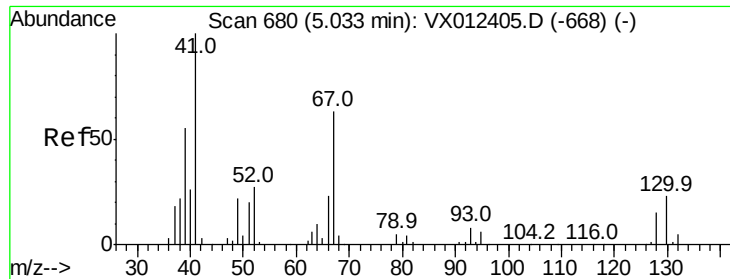
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#40
Benzene
Concen: 5.638 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	78	Resp	27421
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.2	27.2





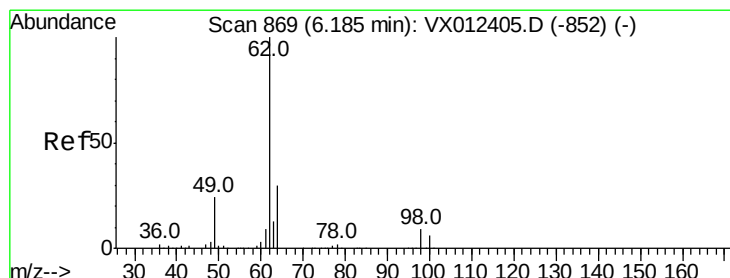
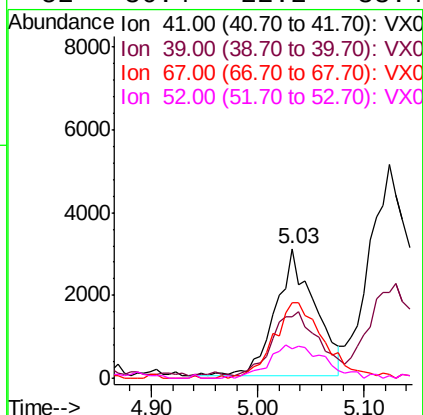
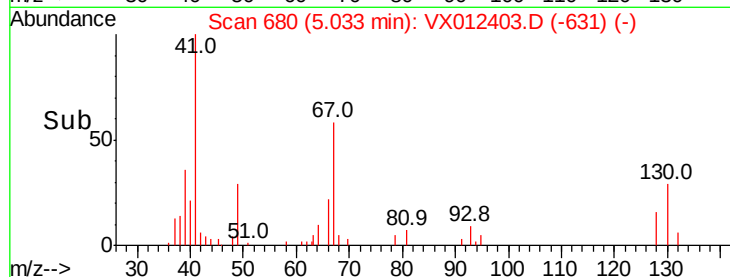
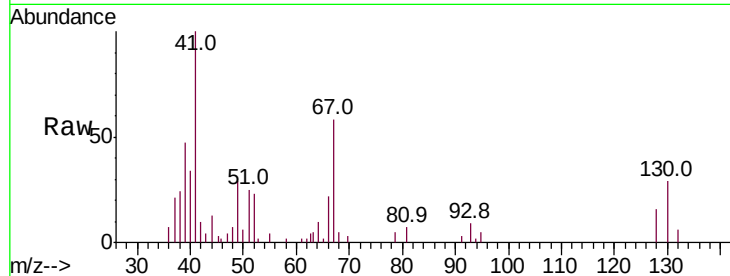
#41
Methacrylonitrile
Concen: 7.318 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.0	44.4	66.6
67	76.6	53.8	80.8
52	36.4	22.2	33.4

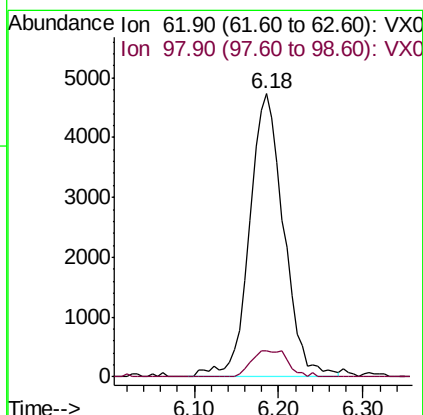
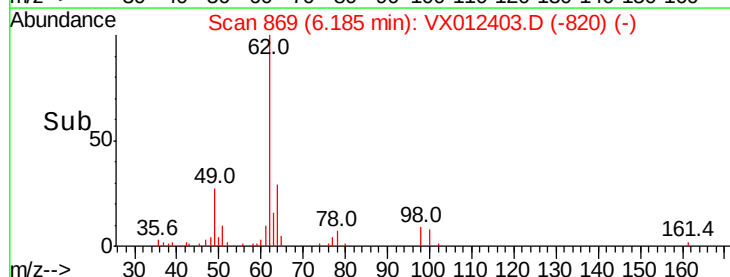
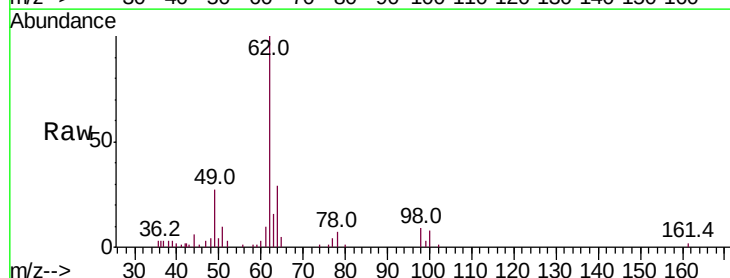
Manual Integrations
APPROVED

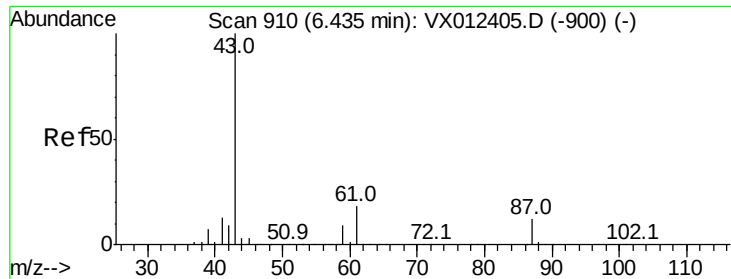
MMDadoda
9/23/2019 5:04:02 PM



#42
1,2-Dichloroethane
Concen: 7.060 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 8.220 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

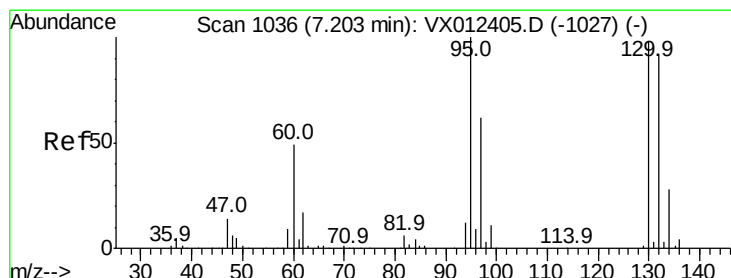
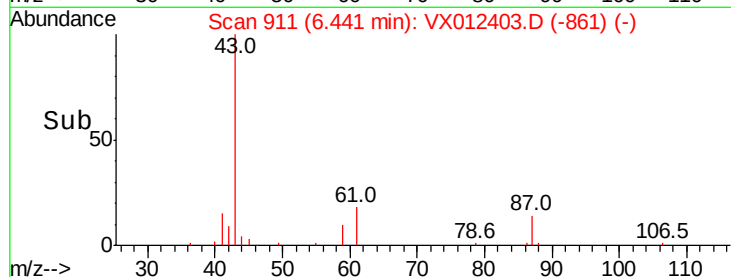
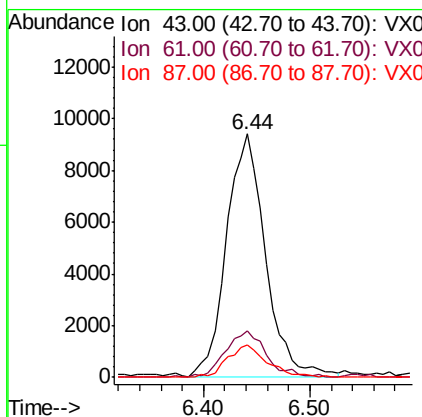
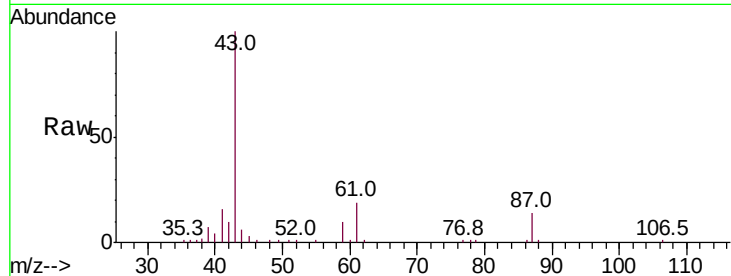
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	24212
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.5	23.3
87	13.5	10.0	15.0

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#44

Trichloroethene

Concen: 4.947 ug/l

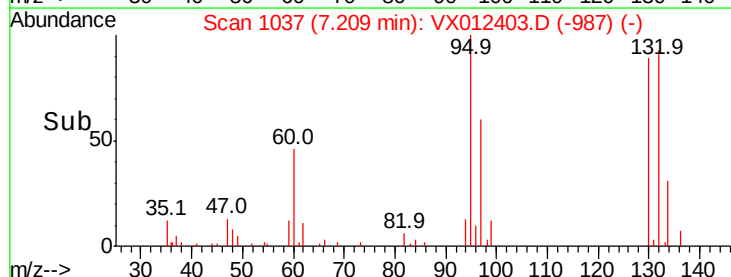
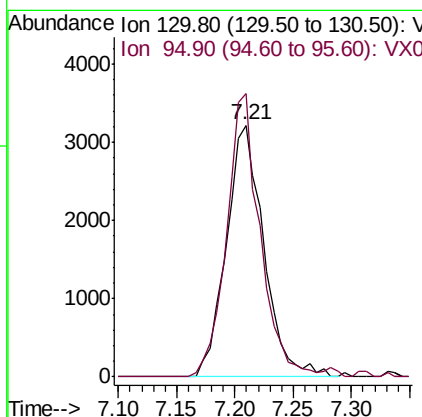
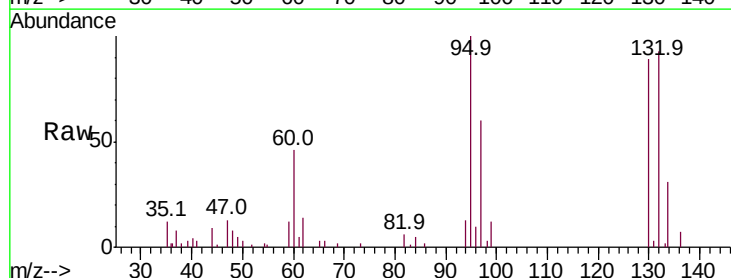
RT: 7.21 min Scan# 1037

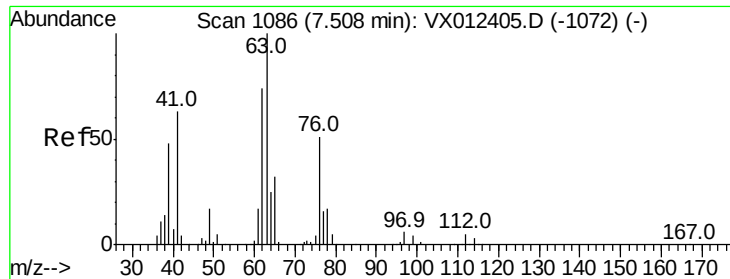
Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion:	130	Resp:	7203
Ion	Ratio	Lower	Upper
130	100		
95	112.5	0.0	203.2





#45

1,2-Dichloropropane

Concen: 6.558 ug/l

RT: 7.51 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 8243

Ion Ratio Lower Upper

63 100

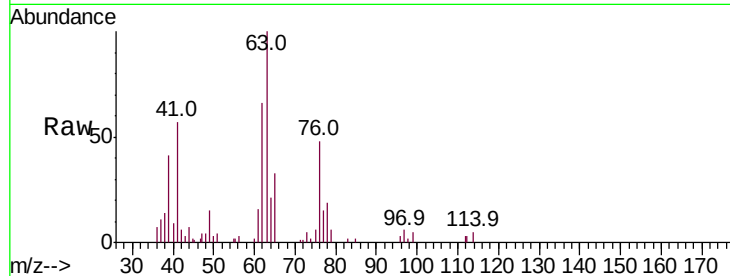
65 33.8 25.6 38.4

Manual Integrations

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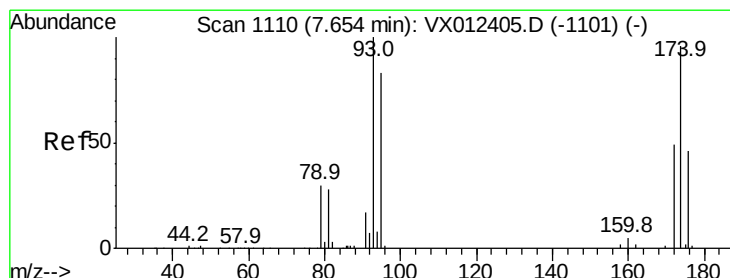
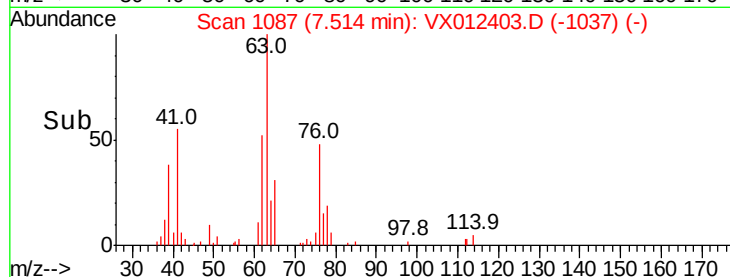
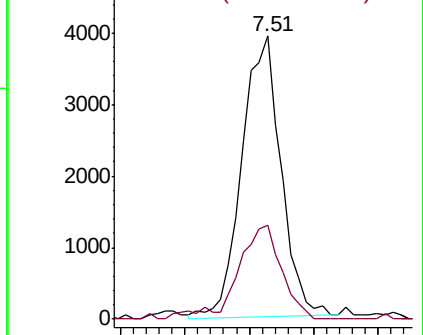
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 6.206 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

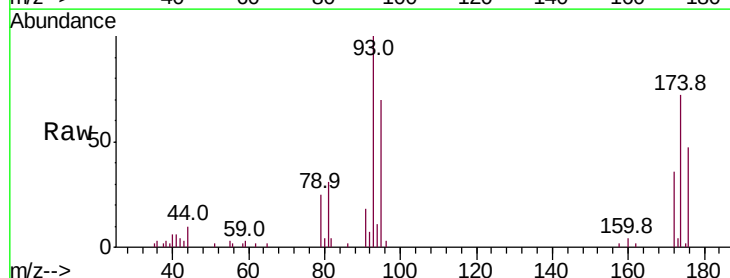
Tgt Ion: 93 Resp: 5656

Ion Ratio Lower Upper

93 100

95 79.5 66.2 99.2

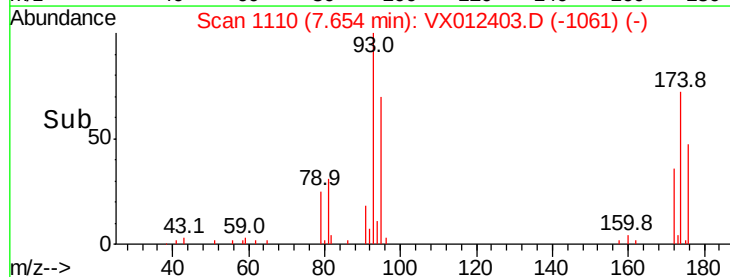
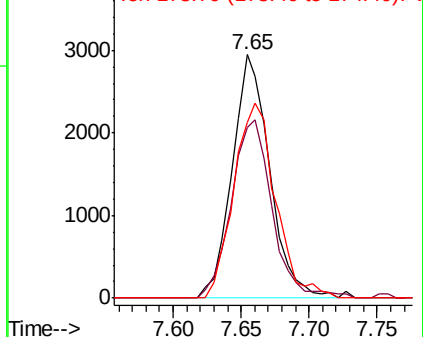
174 89.4 78.6 118.0

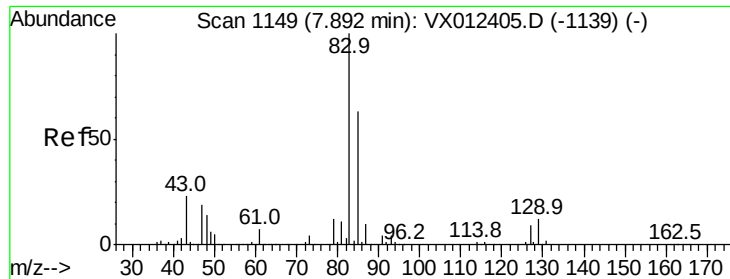


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 7.103 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

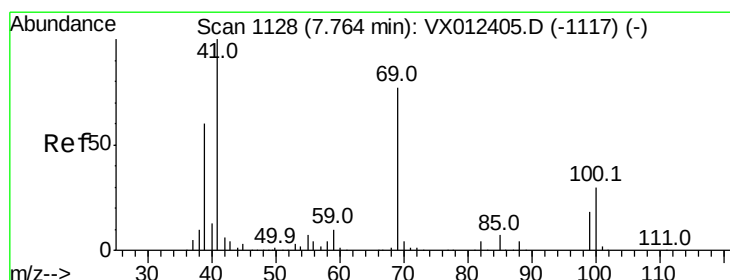
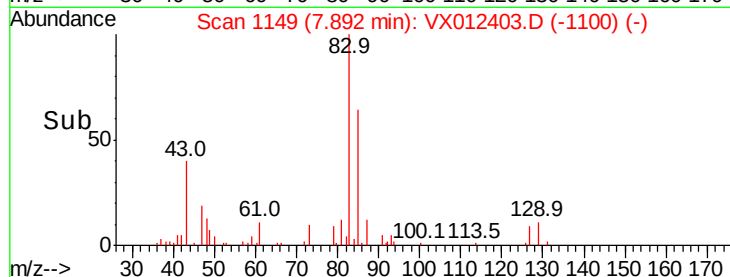
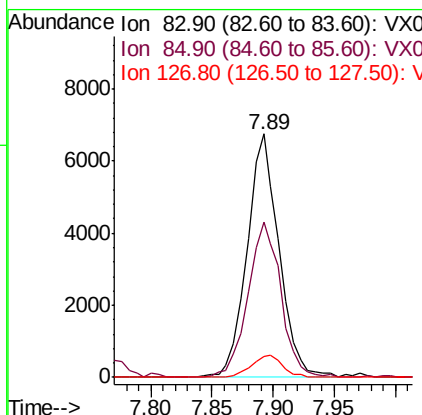
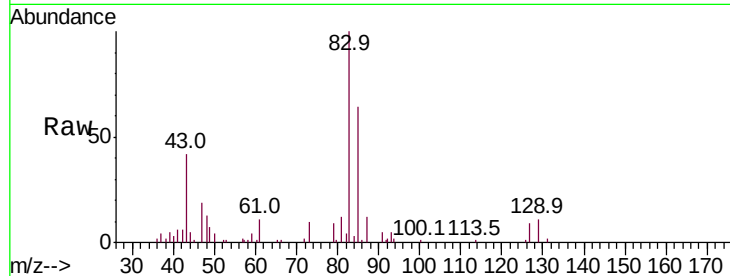
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12243
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.2	75.4
127	8.6	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 7.207 ug/l

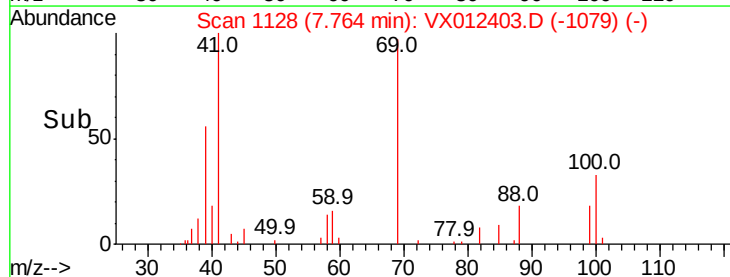
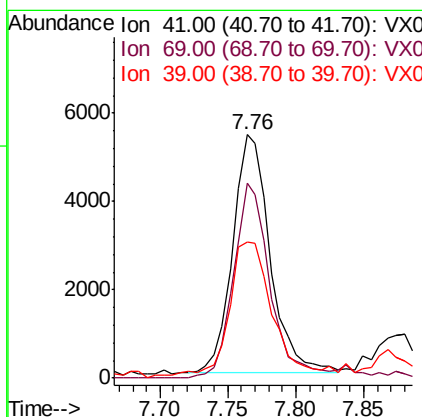
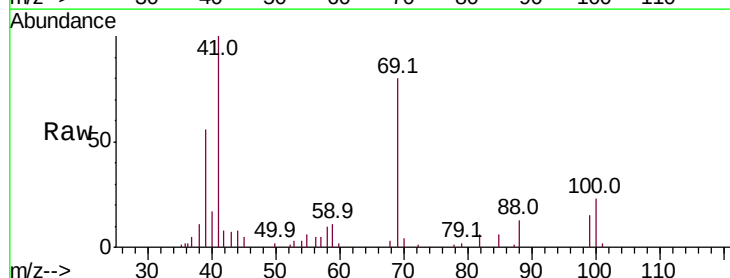
RT: 7.76 min Scan# 1128

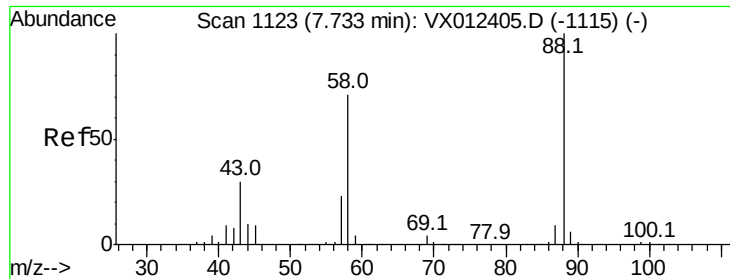
Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion:	41	Resp:	10388
Ion	Ratio	Lower	Upper
41	100		
69	79.1	61.6	92.4
39	62.1	47.6	71.4





#49

1,4-Dioxane

Concen: 145.814 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 88 Resp: 5705

Ion Ratio Lower Upper

88 100

43 34.0 26.6 39.8

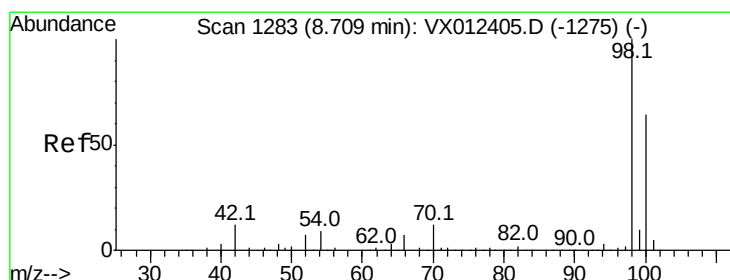
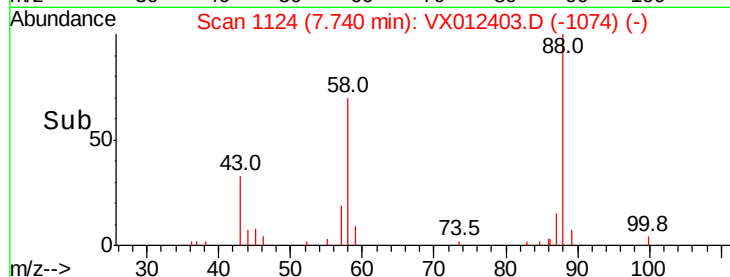
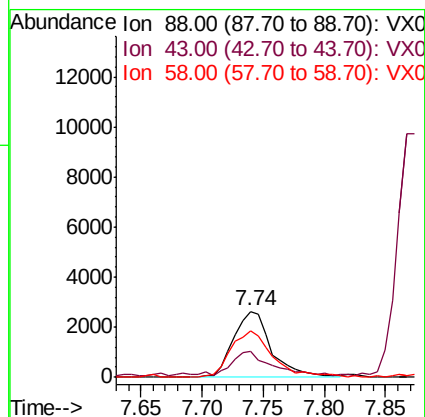
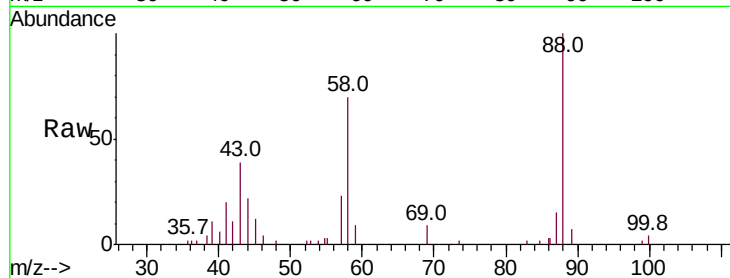
58 77.1 57.1 85.7

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#50

Toluene-d8

Concen: 7.303 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012403.D

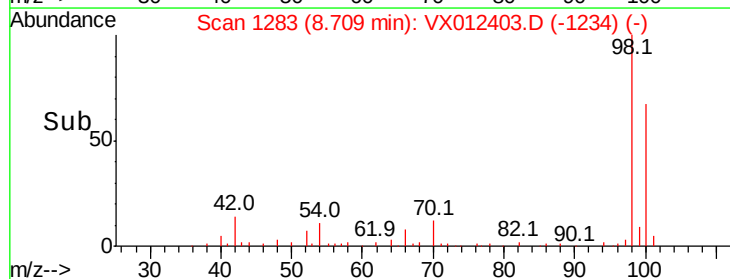
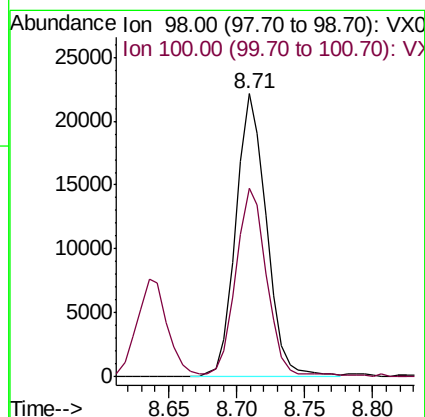
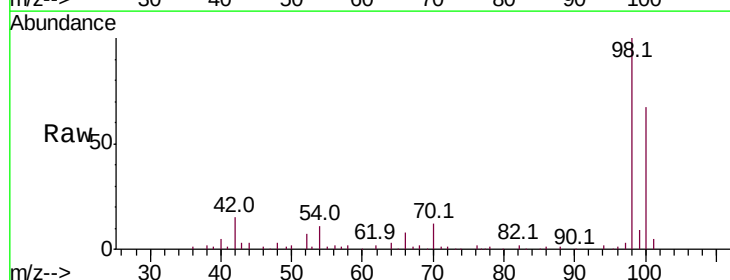
Acq: 16 Sep 2019 12:47

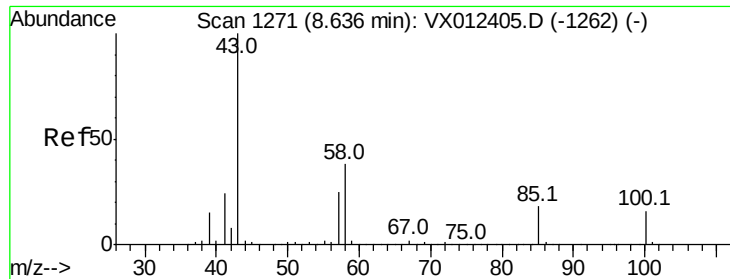
Tgt Ion: 98 Resp: 34799

Ion Ratio Lower Upper

98 100

100 64.5 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 40.876 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 79409

Ion Ratio Lower Upper

43 100

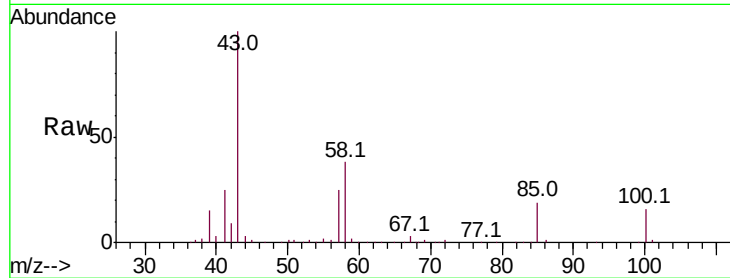
58 37.7 30.2 45.4

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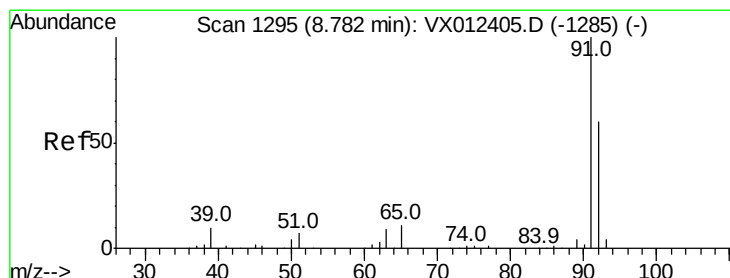
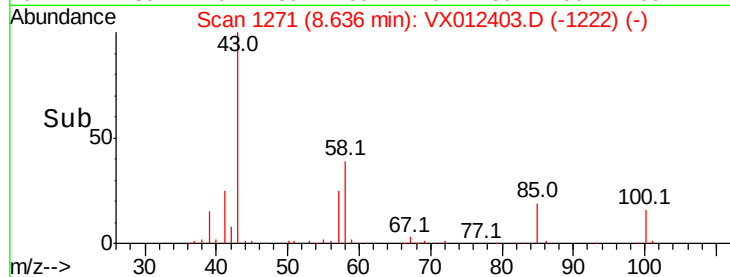
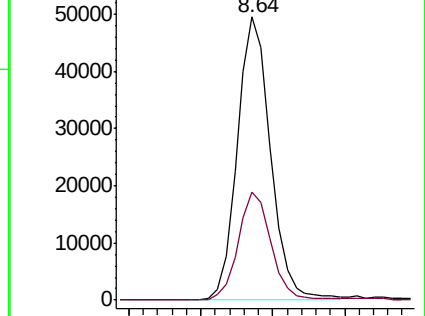
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.516 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012403.D

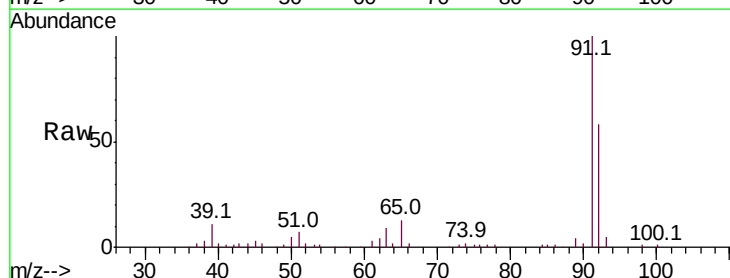
Acq: 16 Sep 2019 12:47

Tgt Ion: 92 Resp: 17315

Ion Ratio Lower Upper

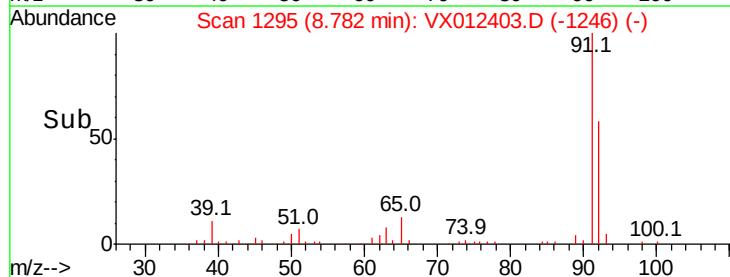
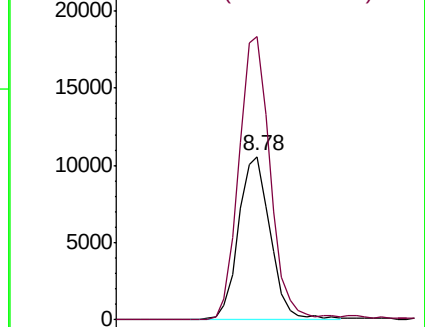
92 100

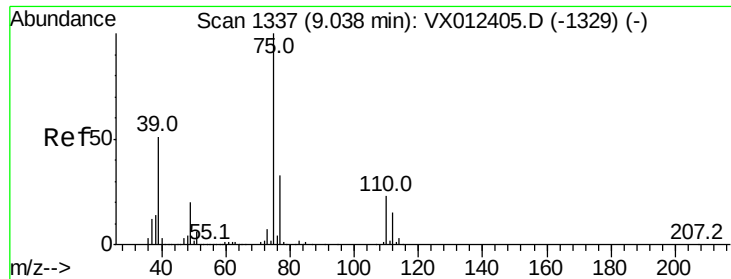
91 170.7 133.3 199.9



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: 6.667 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

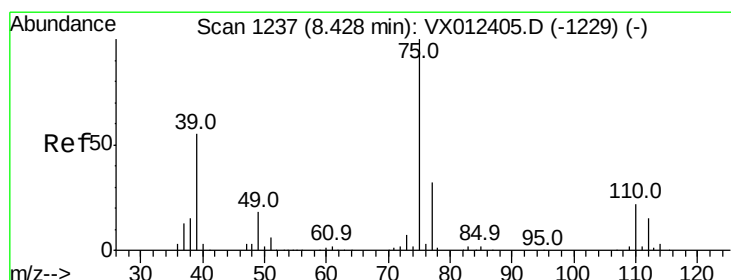
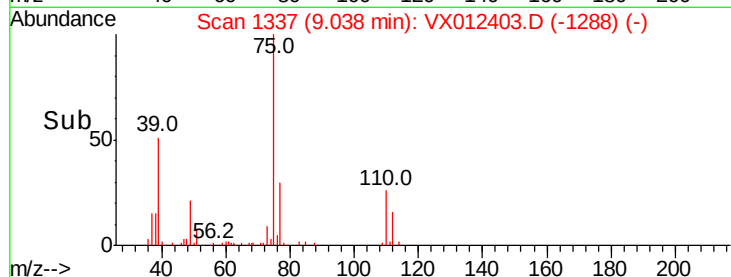
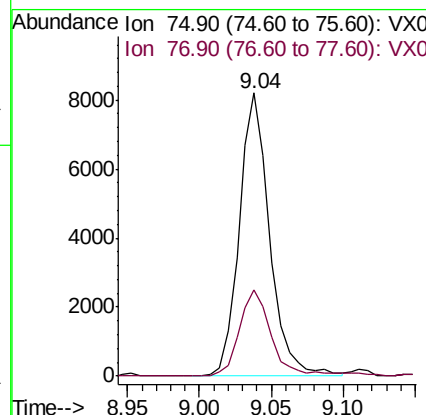
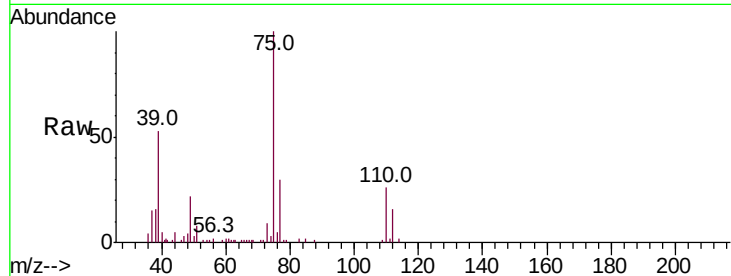
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 12009

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.1	39.1

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#54

cis-1,3-Dichloropropene

Concen: 6.598 ug/l

RT: 8.43 min Scan# 1238

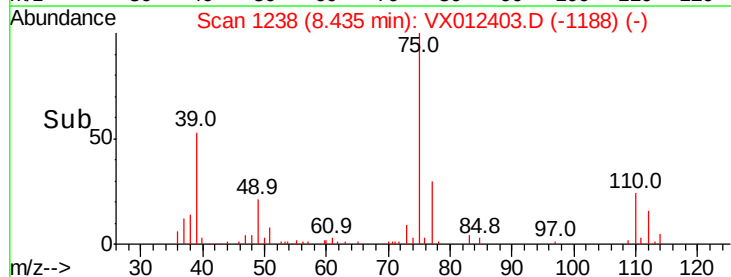
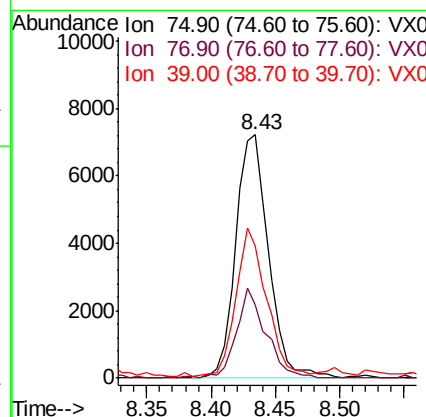
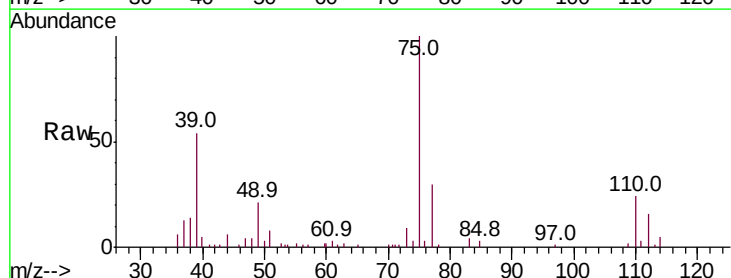
Delta R.T. 0.01 min

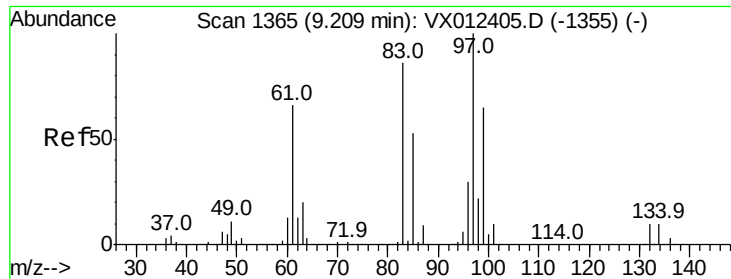
Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion: 75 Resp: 12792

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.2	37.8
39	53.5	43.8	65.8





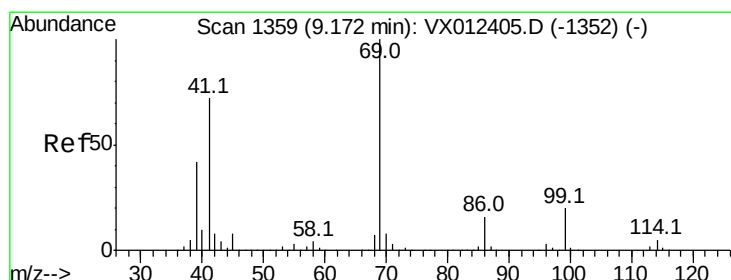
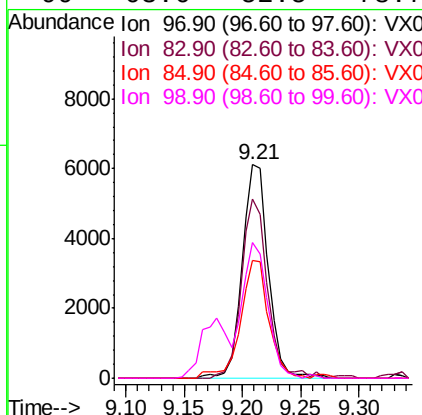
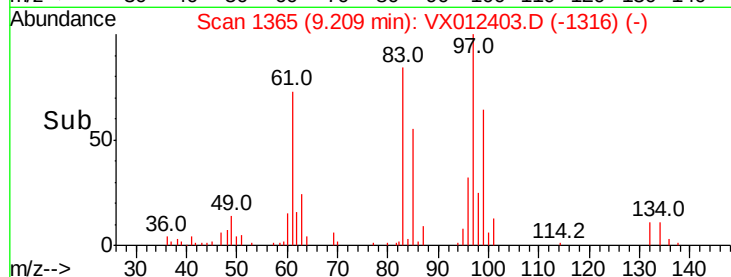
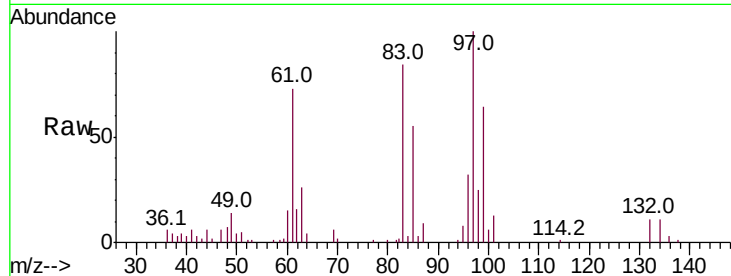
#55
 1,1,2-Trichloroethane
 Concen: 7.058 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9576
Ion	Ratio	Lower	Upper
97	100		
83	83.6	68.5	102.7
85	55.4	42.6	64.0
99	63.6	52.5	78.7

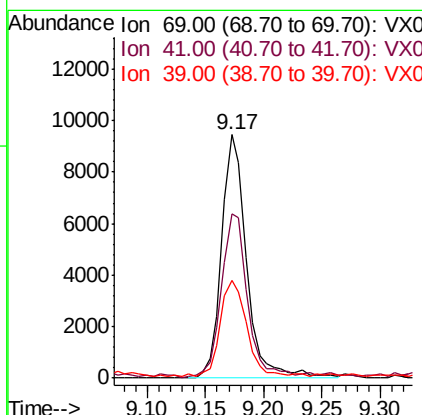
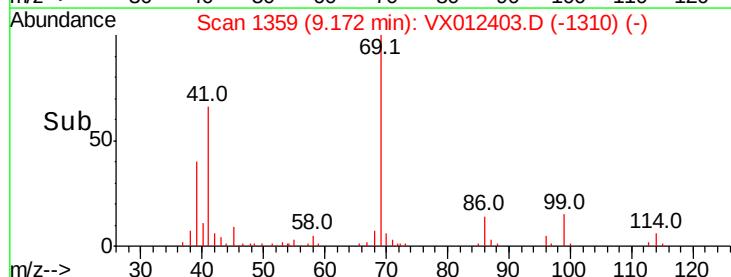
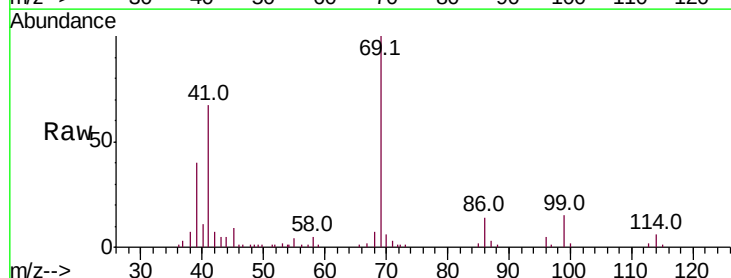
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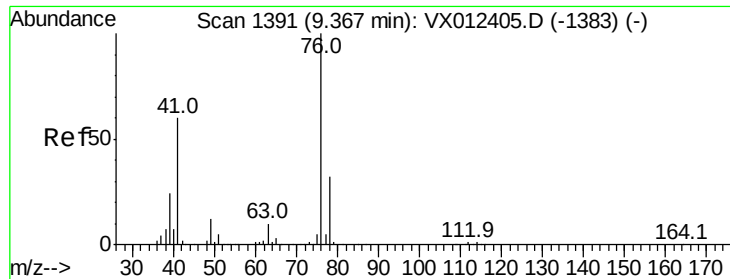
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#56
 Ethyl methacrylate
 Concen: 7.184 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Tgt Ion:	69	Resp:	14052
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.0	85.6
39	40.6	32.6	49.0





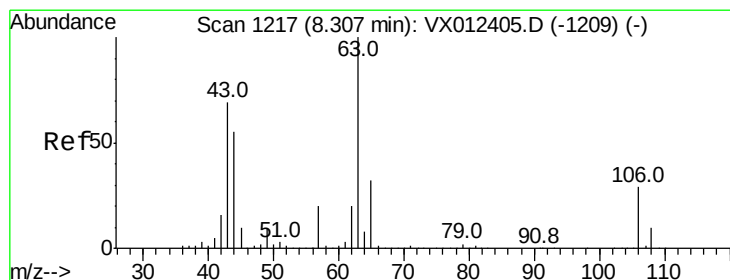
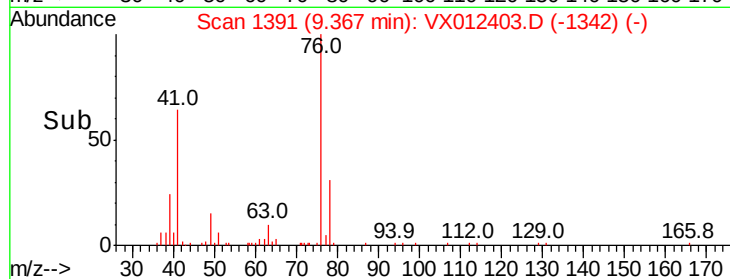
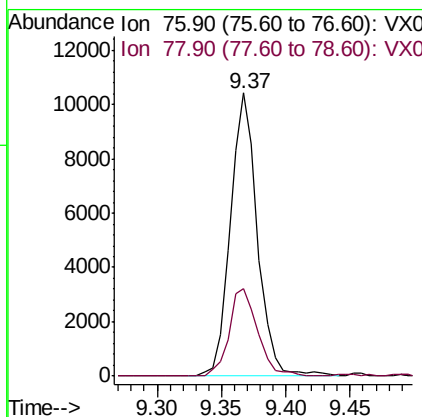
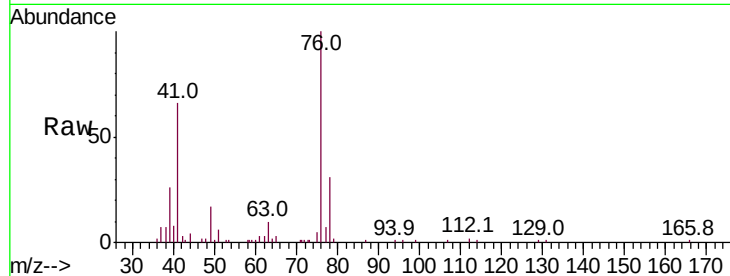
#57
 1,3-Dichloropropane
 Concen: 6.894 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 15283
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9

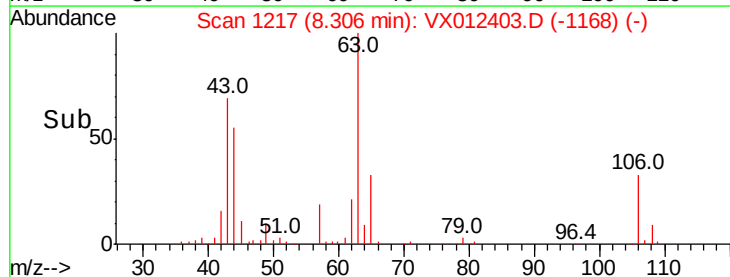
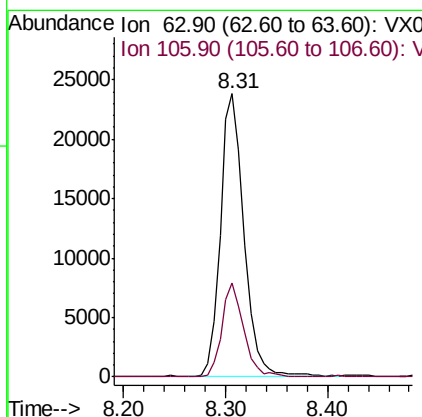
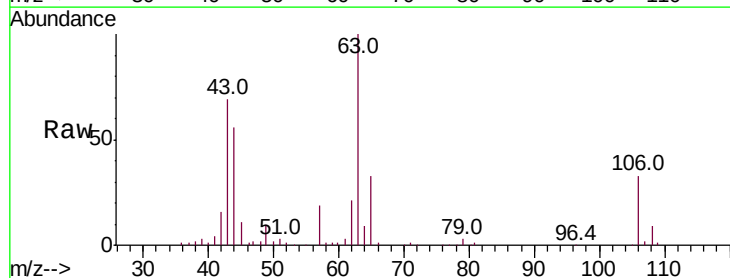
Manual Integrations
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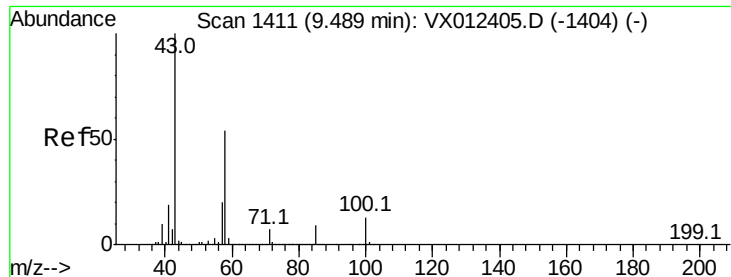
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#58
 2-Chloroethyl Vinyl ether
 Concen: 37.014 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Tgt Ion: 63 Resp: 38395
 Ion Ratio Lower Upper
 63 100
 106 30.6 23.8 35.8





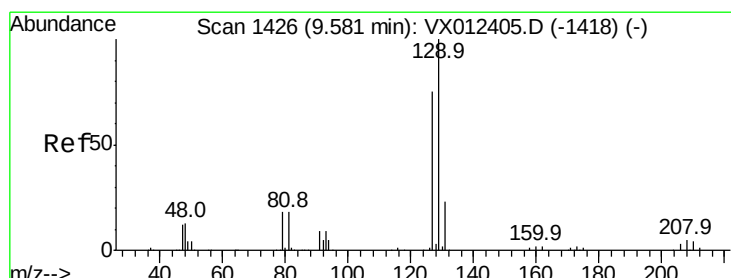
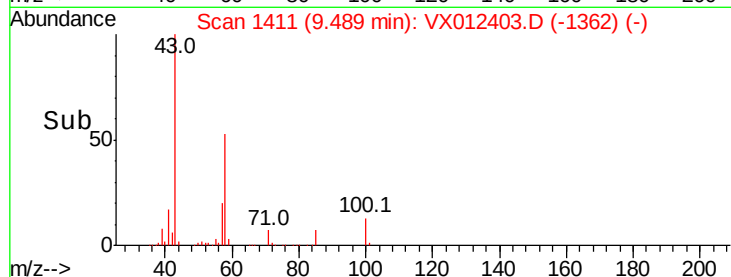
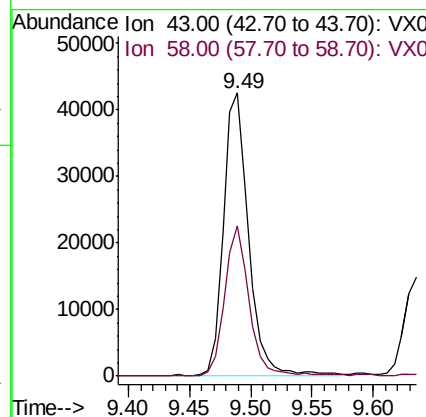
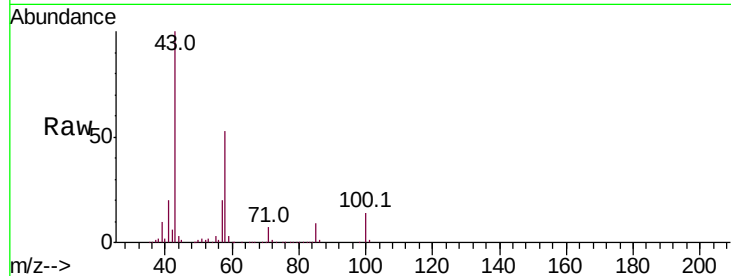
#59
2-Hexanone
Concen: 40.728 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 60505
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0

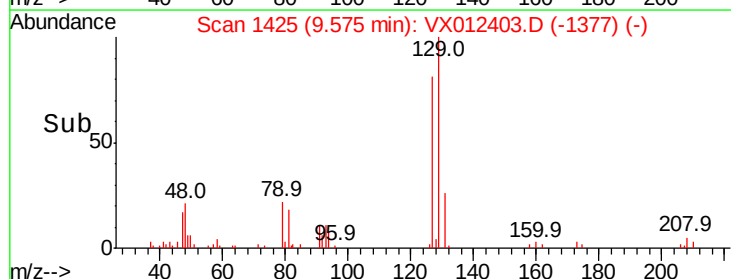
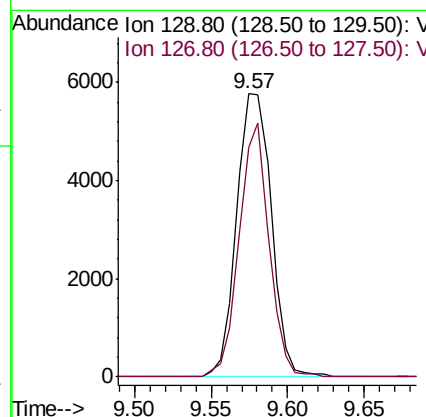
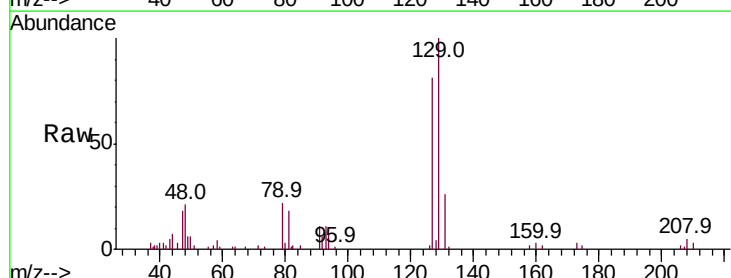
Manual Integrations
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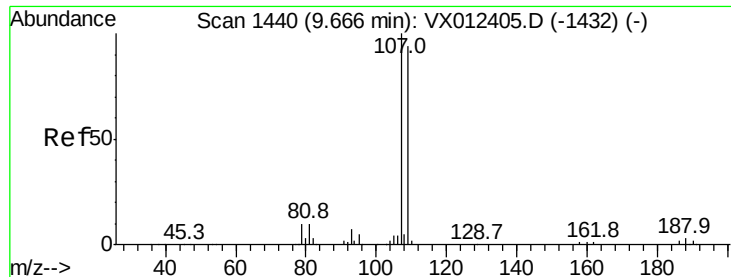
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#60
Dibromochloromethane
Concen: 6.176 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion: 129 Resp: 9093
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





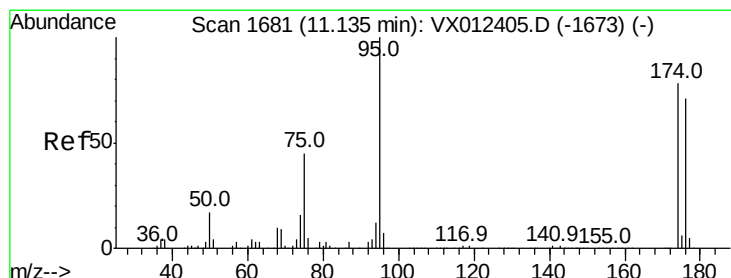
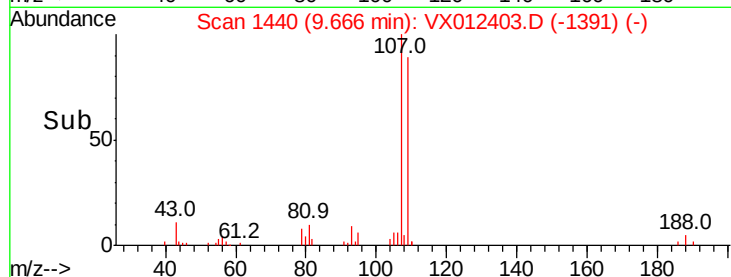
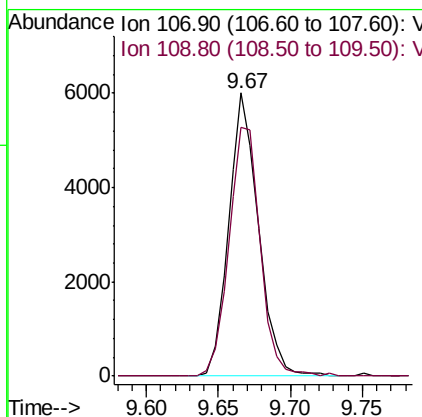
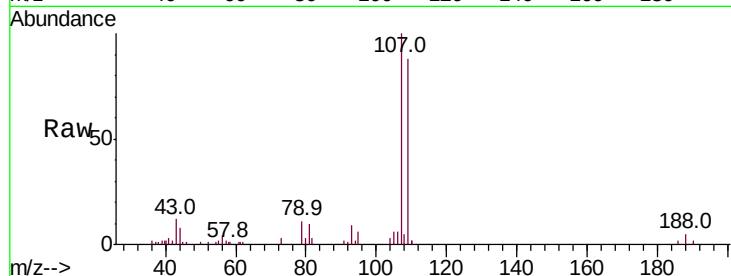
#61
 1,2-Dibromoethane
 Concen: 6.133 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.1	112.7

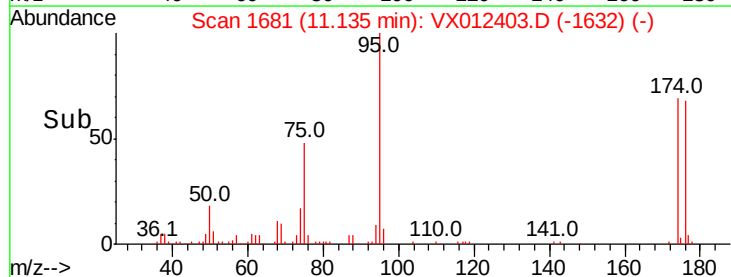
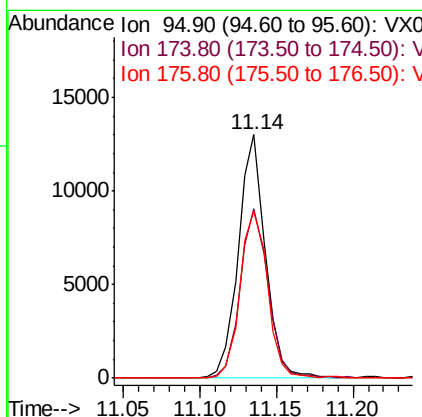
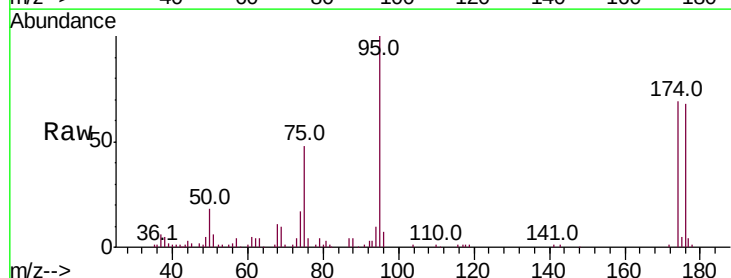
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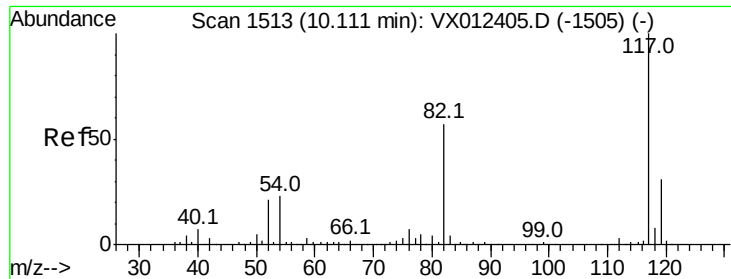
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#62
 4-Bromofluorobenzene
 Concen: 8.311 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	146.0
176	69.8	0.0	137.6





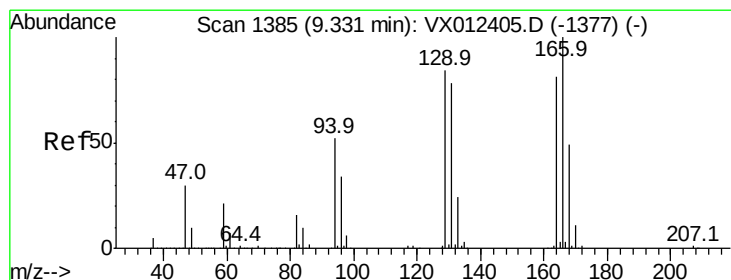
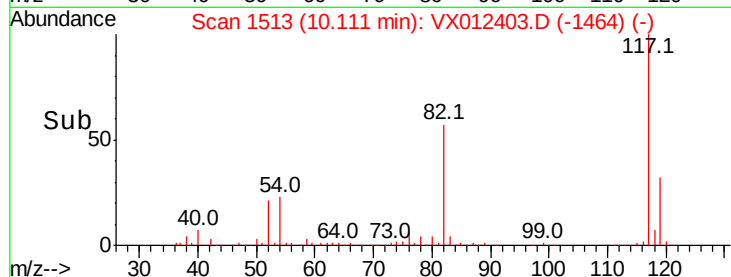
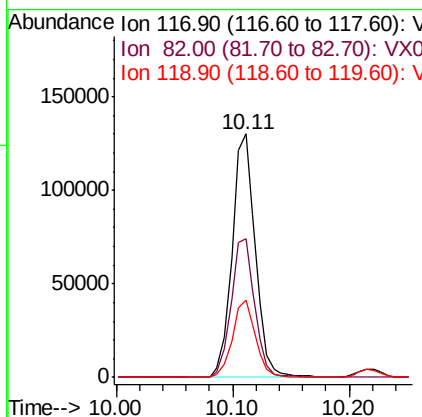
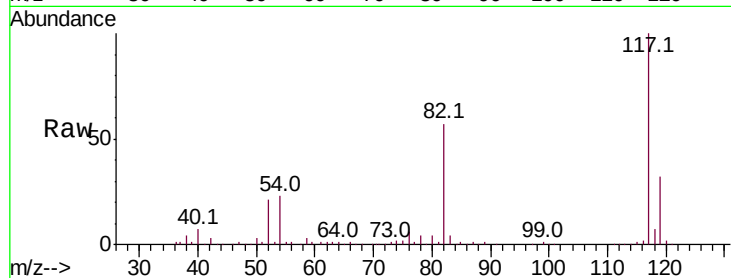
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	180517		
82	57.0	45.8	68.6	
119	31.6	24.9	37.3	

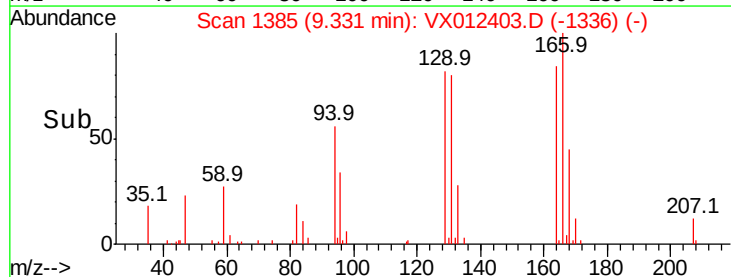
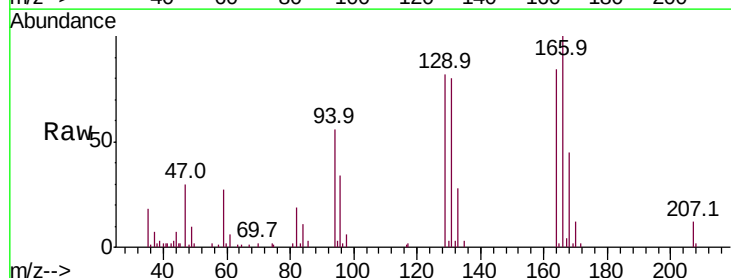
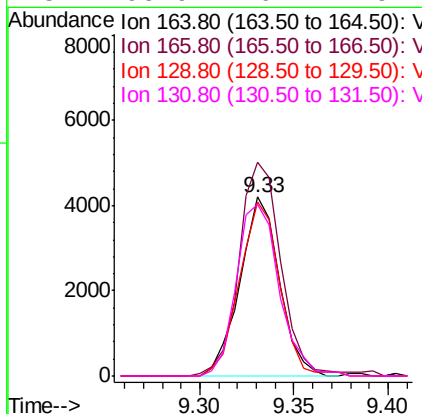
Manual Integrations
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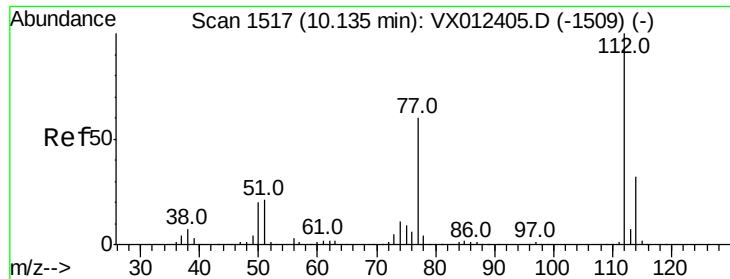
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#64
Tetrachloroethene
Concen: 4.357 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6084		
166	119.2	98.2	147.4	
129	97.5	82.6	123.8	
131	95.9	76.7	115.1	





#65

Chlorobenzene

Concen: 5.773 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 21325

Ion Ratio Lower Upper

112 100

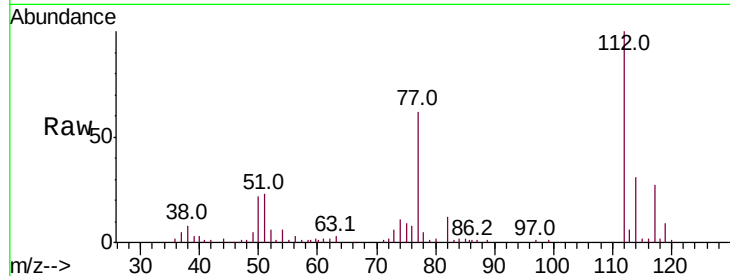
114 31.0 25.4 38.2

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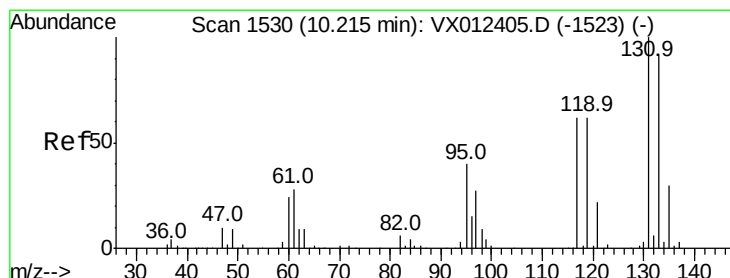
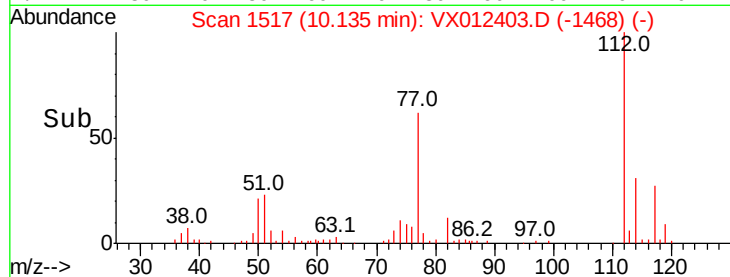
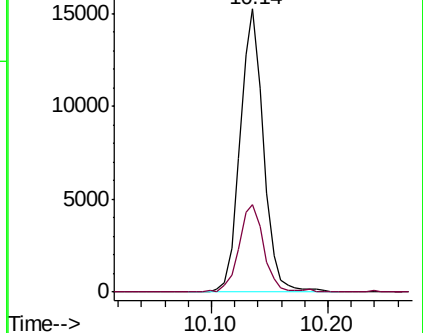
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 6.368 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

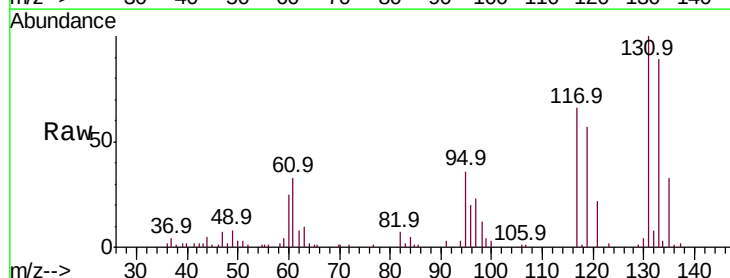
Tgt Ion:131 Resp: 9008

Ion Ratio Lower Upper

131 100

133 96.5 48.4 145.0

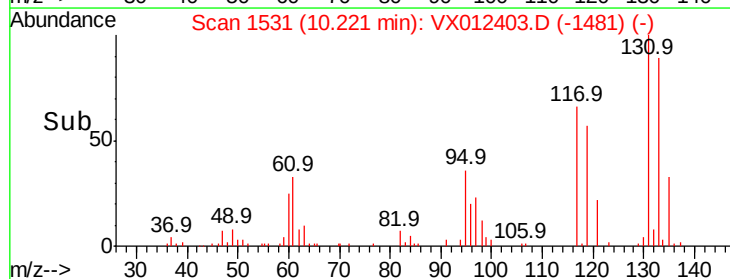
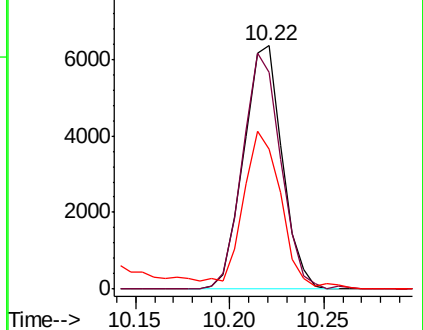
119 64.9 31.6 94.7

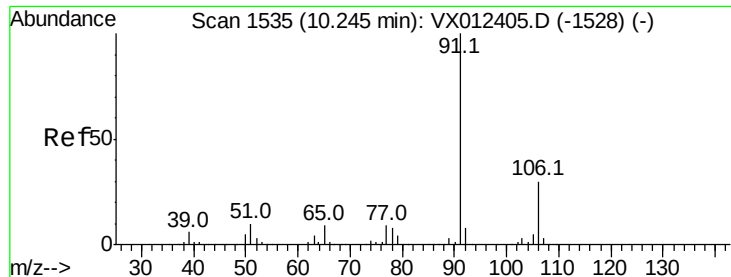


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.837 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 35912

Ion Ratio Lower Upper

91 100

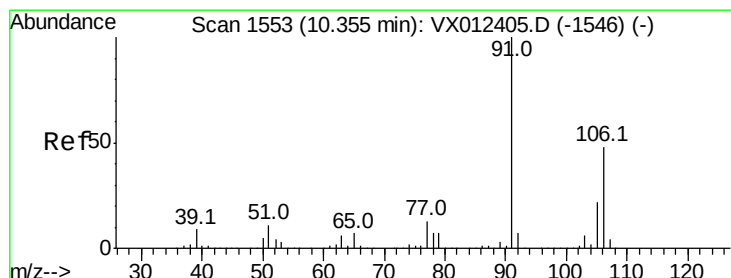
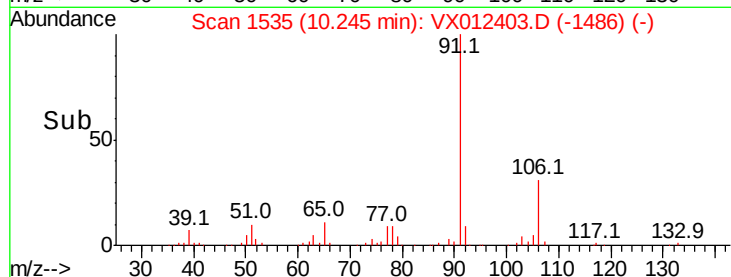
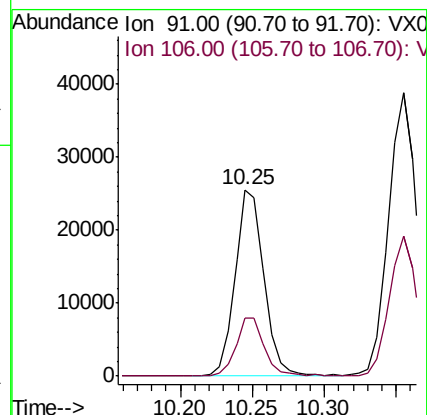
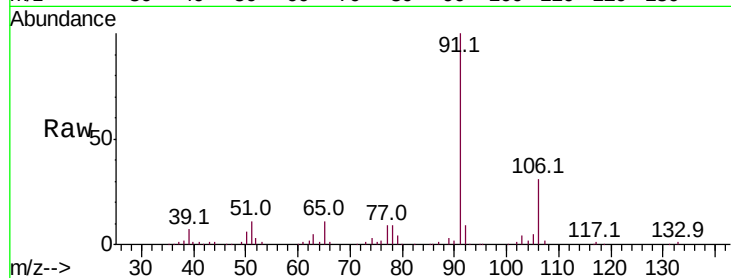
106 31.1 24.0 36.0

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#68

m/p-Xylenes

Concen: 11.153 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012403.D

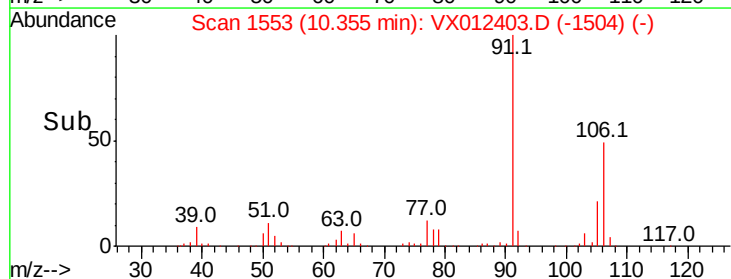
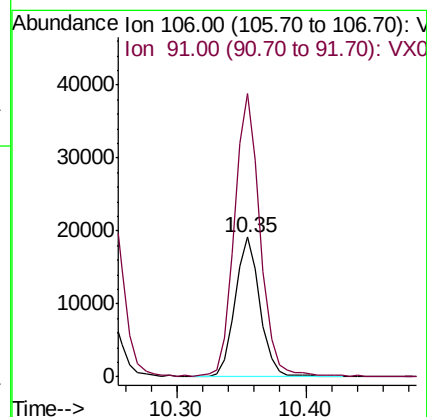
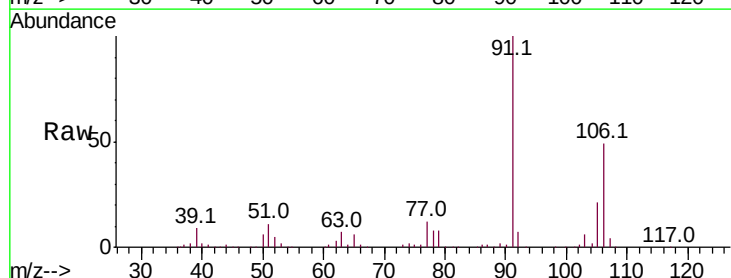
Acq: 16 Sep 2019 12:47

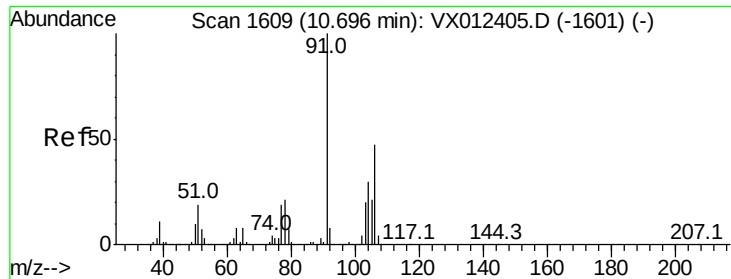
Tgt Ion: 106 Resp: 26133

Ion Ratio Lower Upper

106 100

91 207.0 167.4 251.0





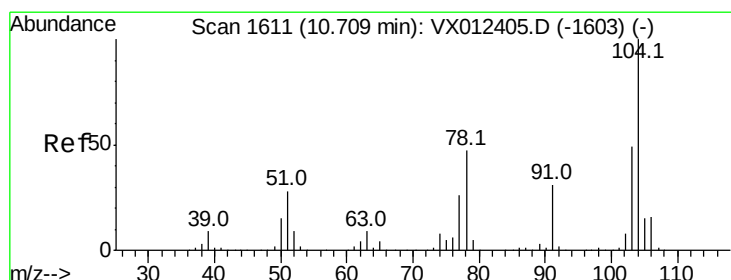
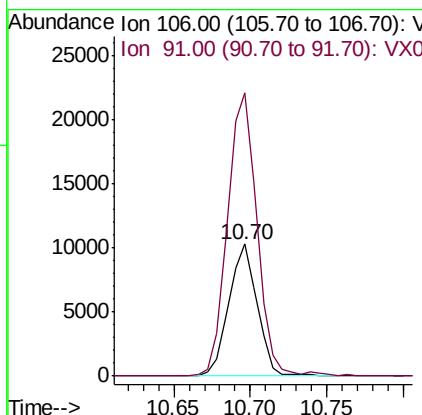
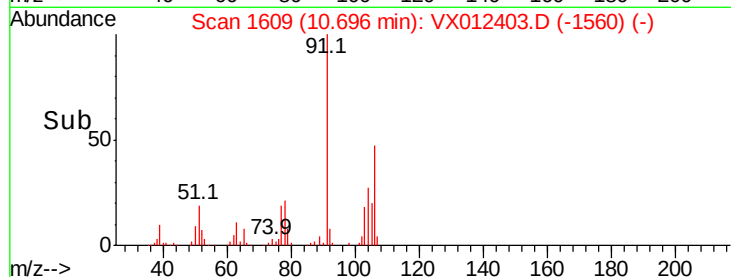
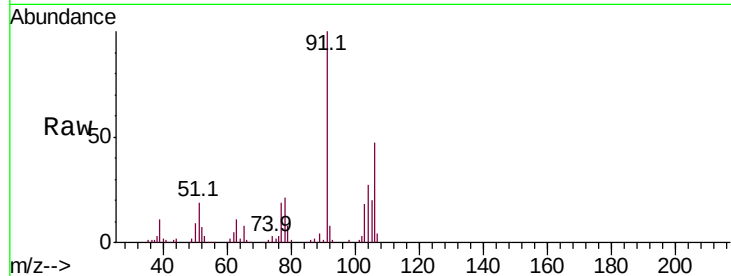
#69
o-Xylene
Concen: 5.694 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 13269
Ion Ratio Lower Upper
106 100
91 220.1 107.8 323.6

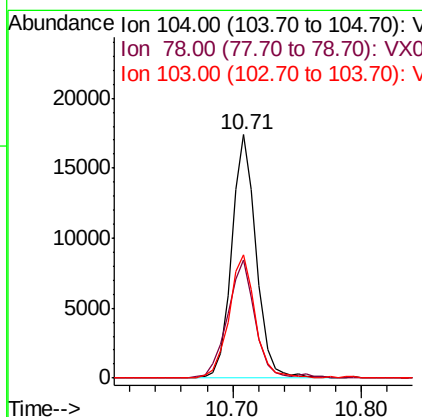
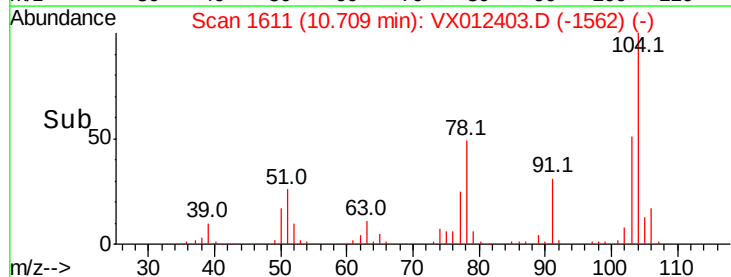
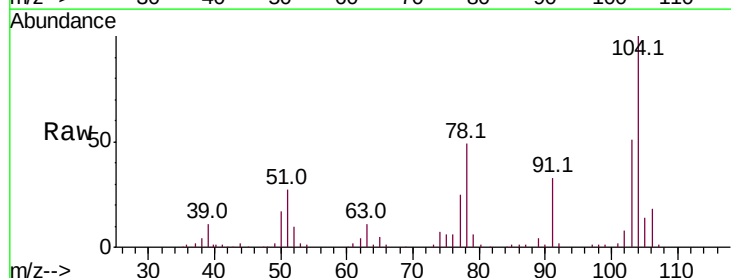
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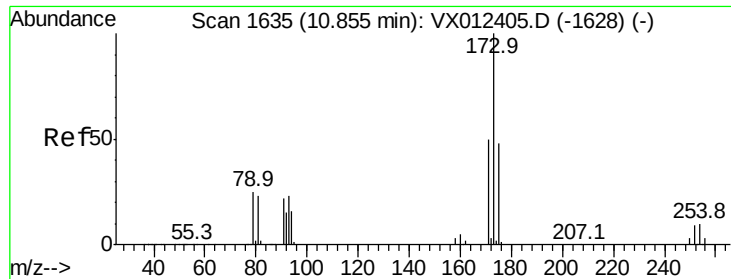
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#70
Styrene
Concen: 5.875 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion:104 Resp: 23187
Ion Ratio Lower Upper
104 100
78 53.9 42.3 63.5
103 54.5 42.9 64.3





#71

Bromoform

Concen: 5.267 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 6289

Ion Ratio Lower Upper

173 100

175 47.9 24.3 73.0

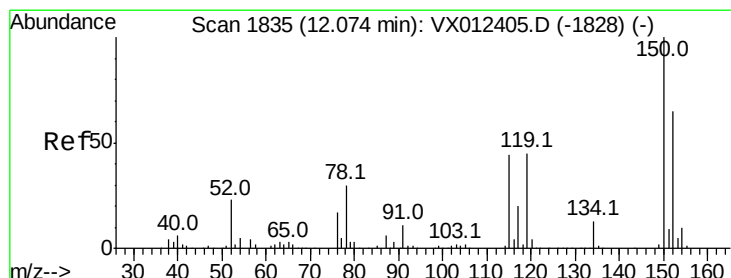
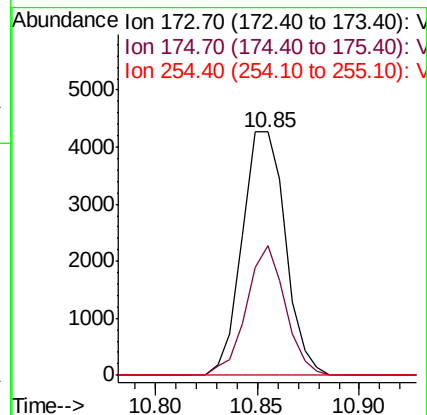
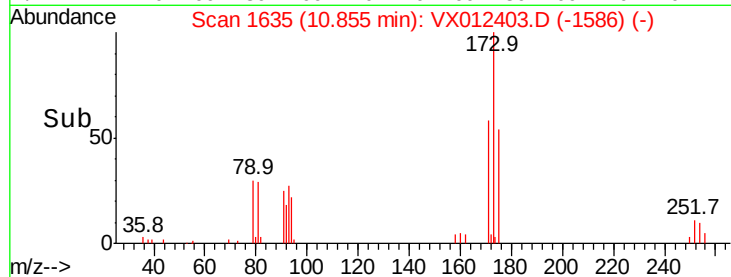
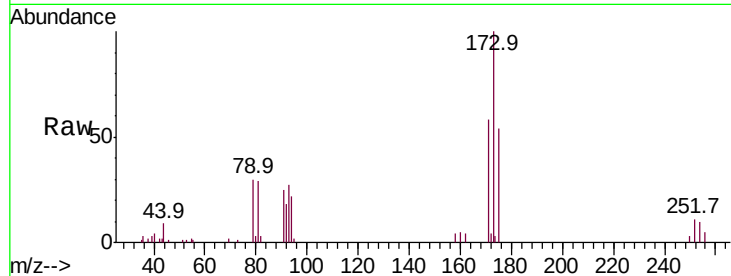
254 0.0 0.1 0.1#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

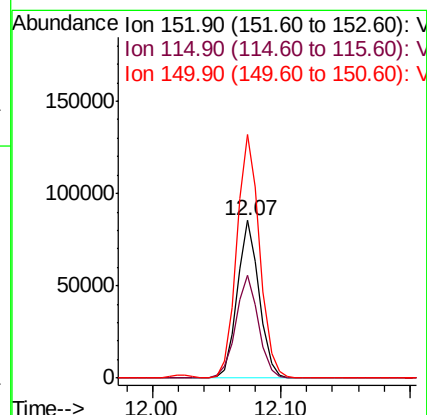
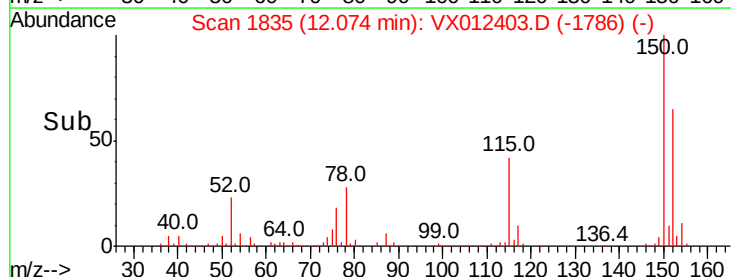
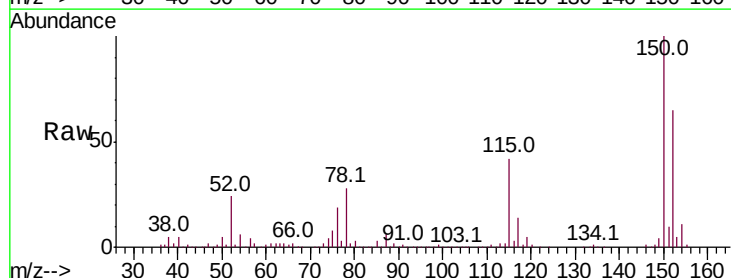
Tgt Ion:152 Resp: 101476

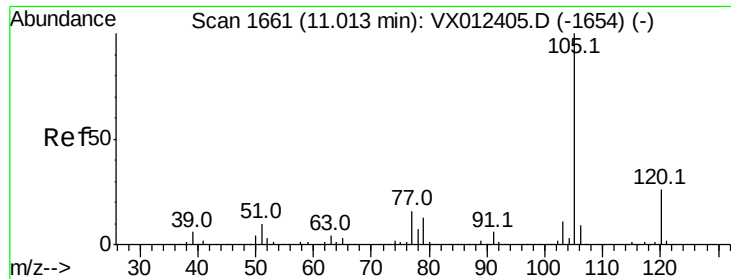
Ion Ratio Lower Upper

152 100

115 68.0 45.3 135.9

150 161.6 0.0 354.0





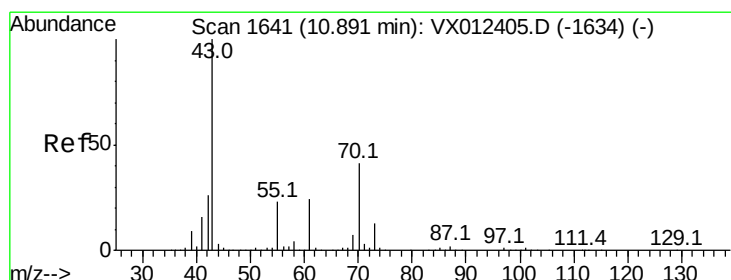
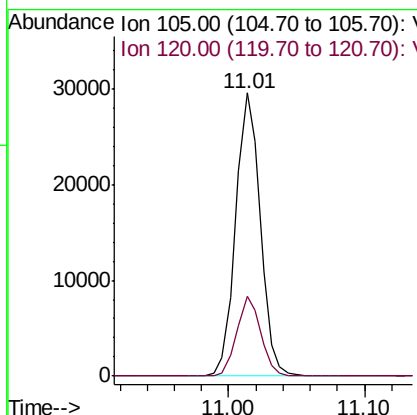
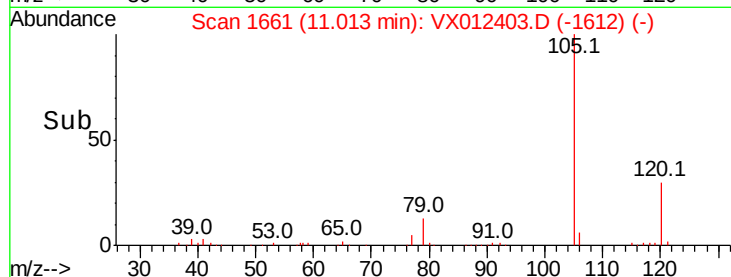
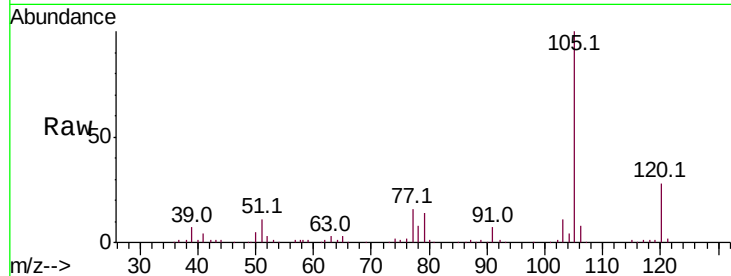
#73
Isopropylbenzene
Concen: 5.865 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 37292
Ion Ratio Lower Upper
105 100
120 27.4 13.2 39.6

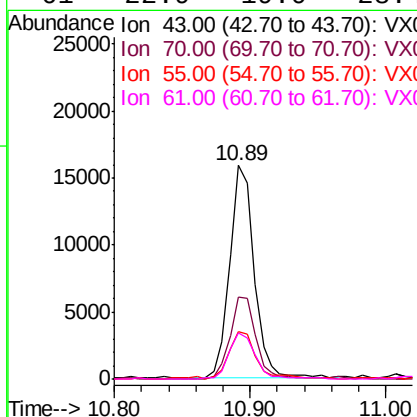
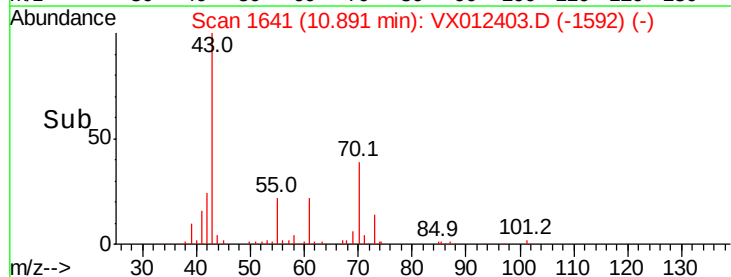
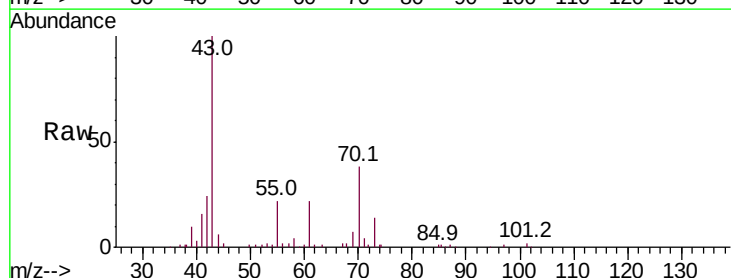
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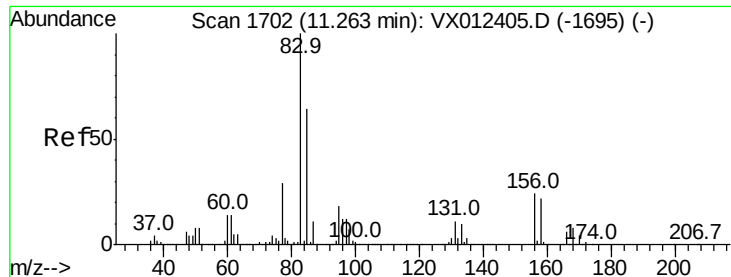
MMDadoda
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#74
N-ethyl acetate
Concen: 7.548 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion: 43 Resp: 19967
Ion Ratio Lower Upper
43 100
70 40.5 32.7 49.1
55 26.0 18.9 28.3
61 22.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 7.316 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

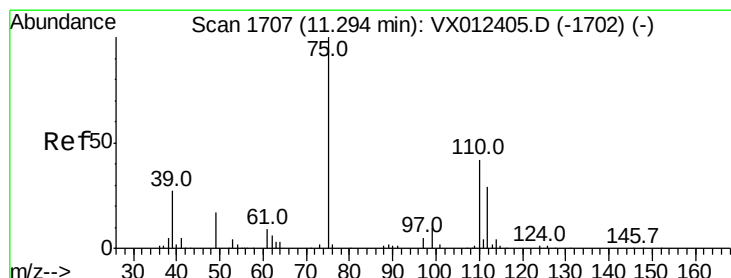
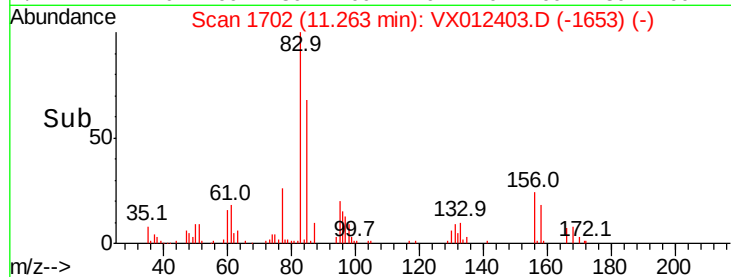
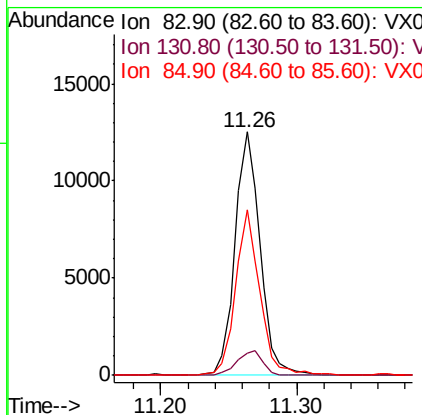
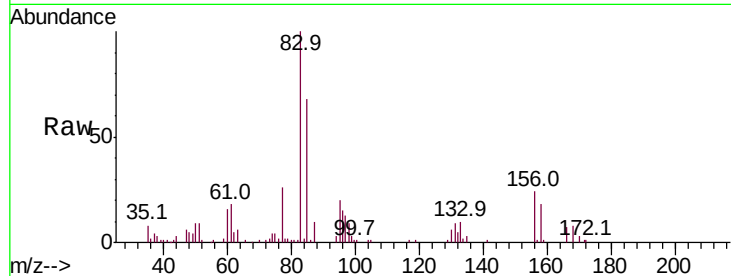
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16077
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.5	16.4
85	65.5	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 7.429 ug/l m

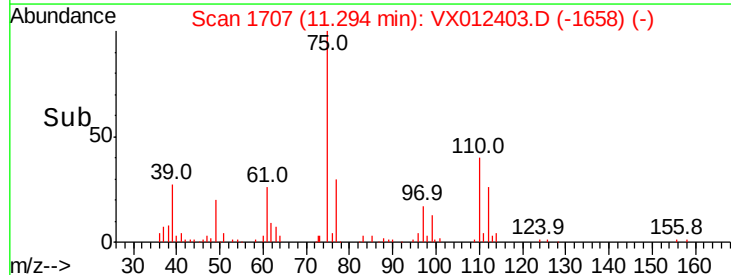
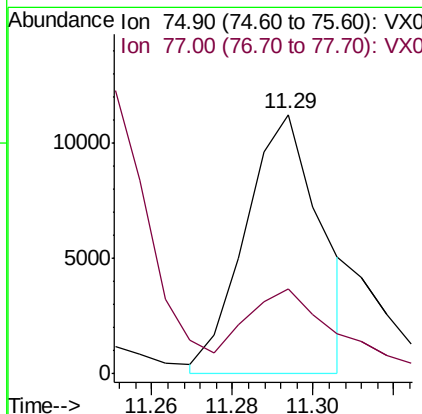
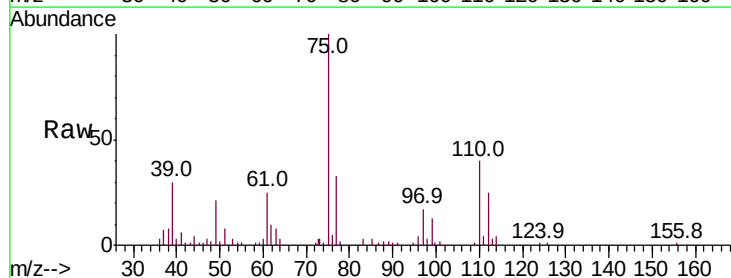
RT: 11.29 min Scan# 1707

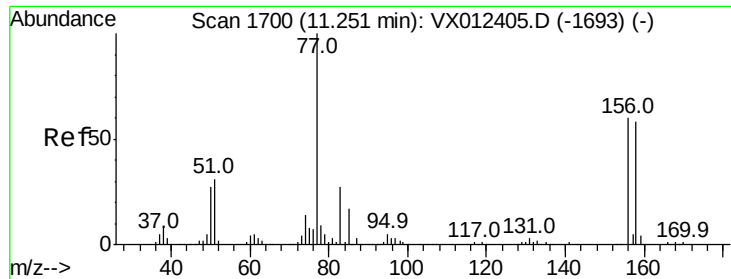
Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion:	75	Resp:	14593
Ion Ratio	Lower	Upper	
75	100		
77	41.0	19.4	58.2





#77

Bromobenzene

Concen: 5.336 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 9778

Ion Ratio Lower Upper

156 100

77 170.0 84.8 254.3

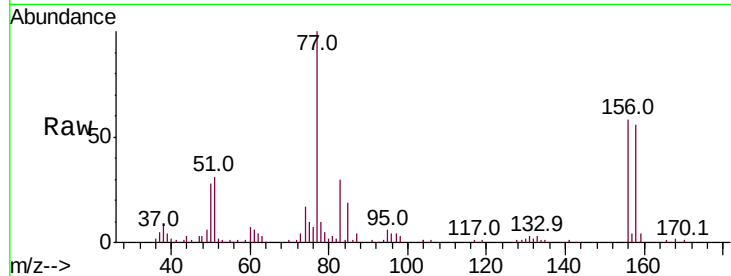
158 91.7 47.9 143.6

Manual Integrations

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MMDadoda

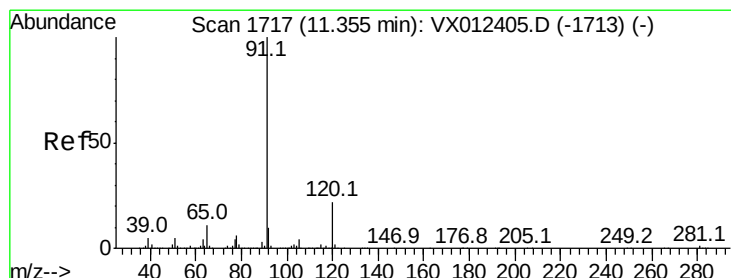
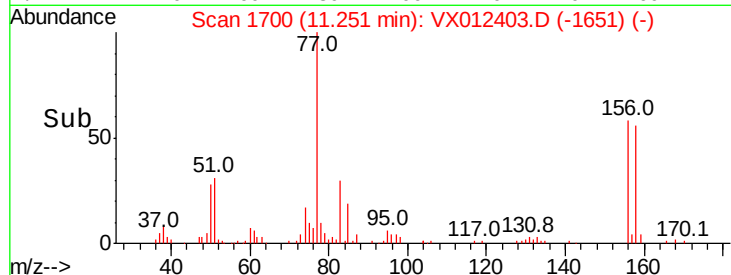
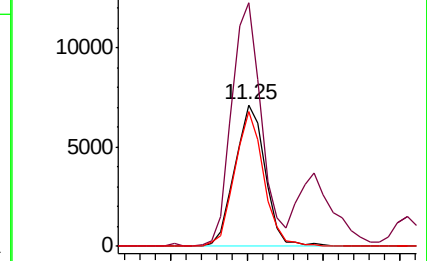
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.909 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012403.D

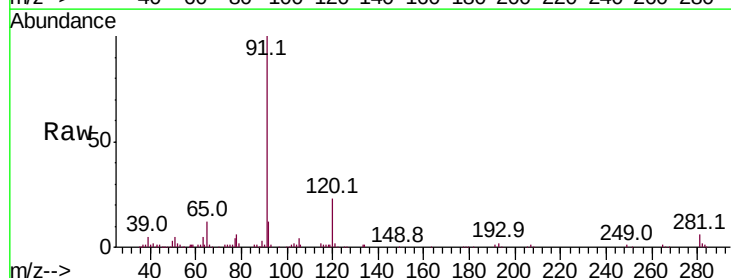
Acq: 16 Sep 2019 12:47

Tgt Ion: 91 Resp: 40430

Ion Ratio Lower Upper

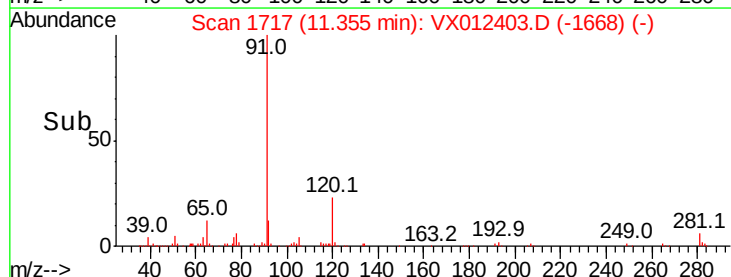
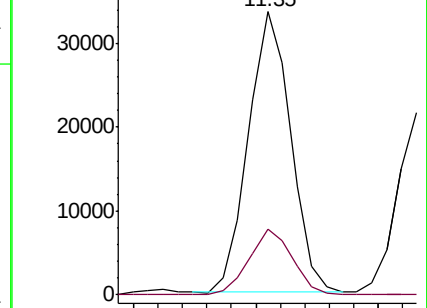
91 100

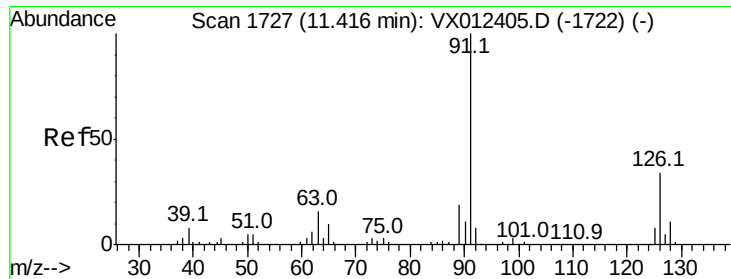
120 23.9 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.236 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 26763

Ion Ratio Lower Upper

91 100

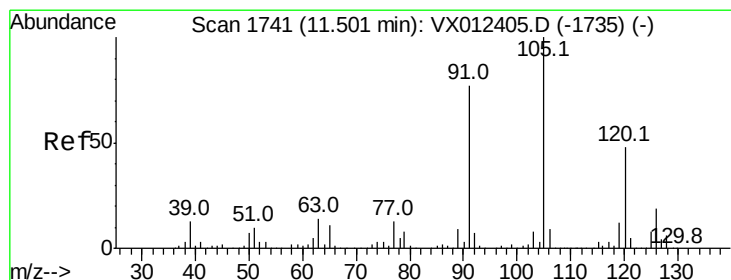
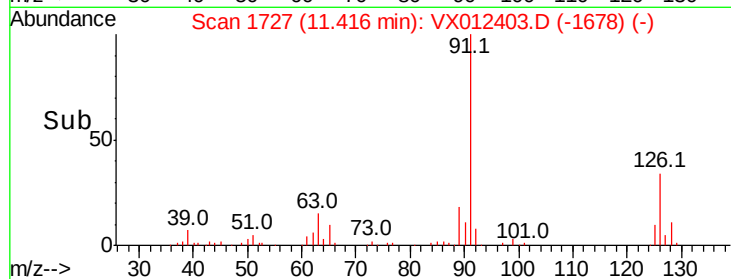
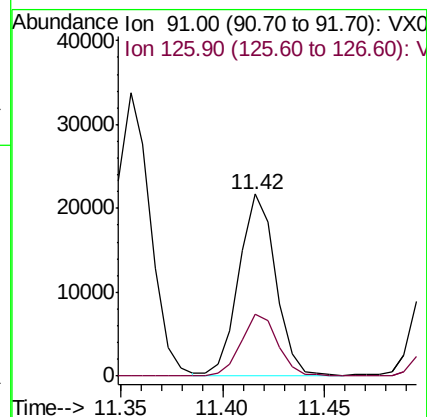
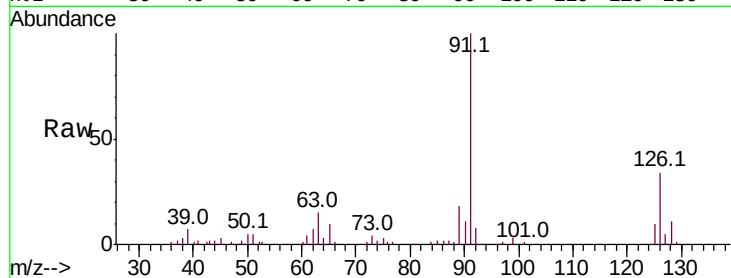
126 34.7 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 6.267 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012403.D

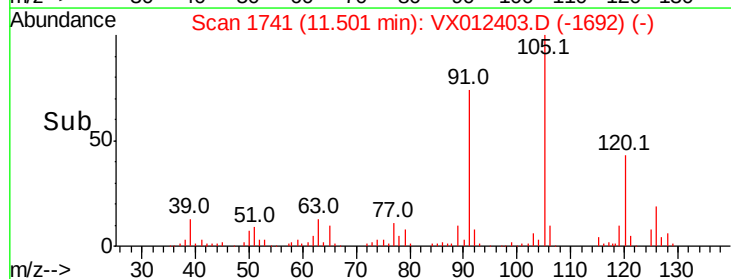
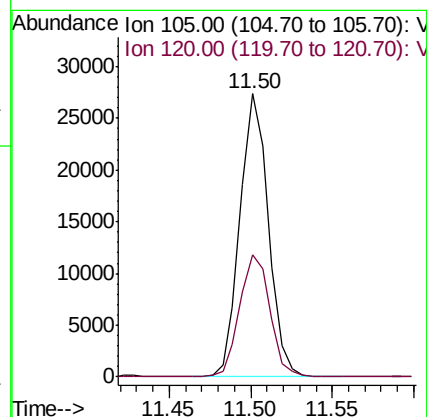
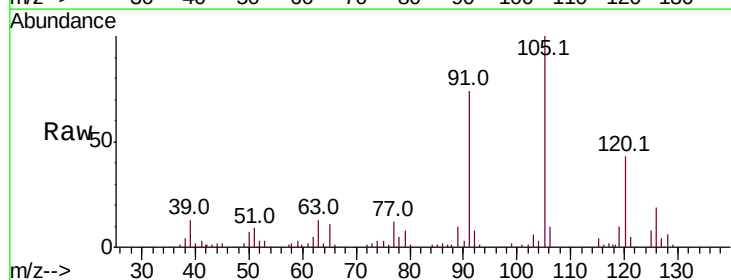
Acq: 16 Sep 2019 12:47

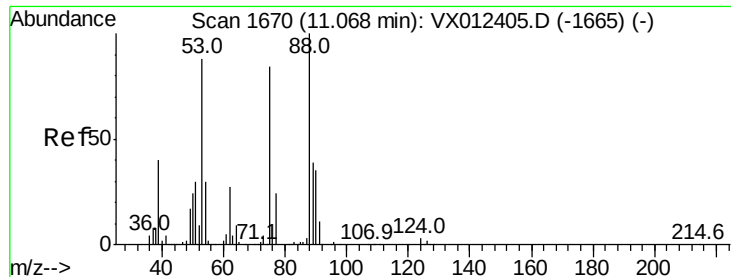
Tgt Ion: 105 Resp: 33434

Ion Ratio Lower Upper

105 100

120 45.8 24.3 72.9





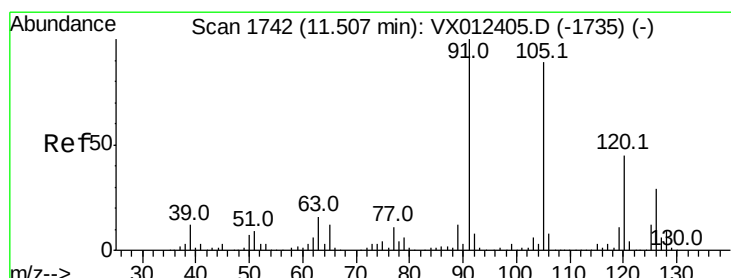
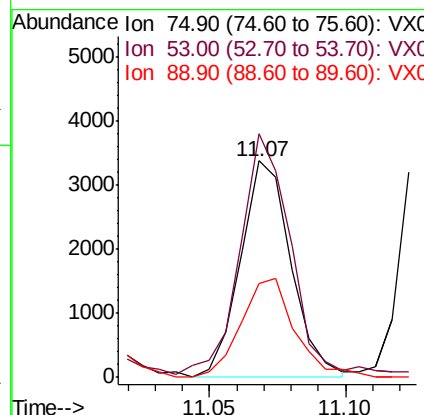
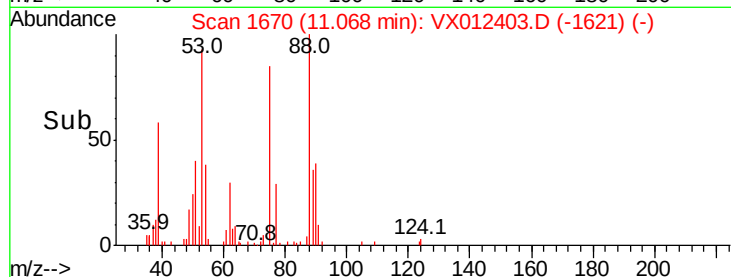
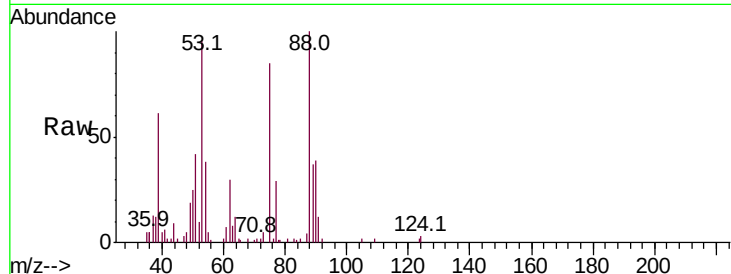
#81
trans-1,4-Dichloro-2-butene
Concen: 6.620 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.5	84.6	127.0
89	48.9	38.8	58.2

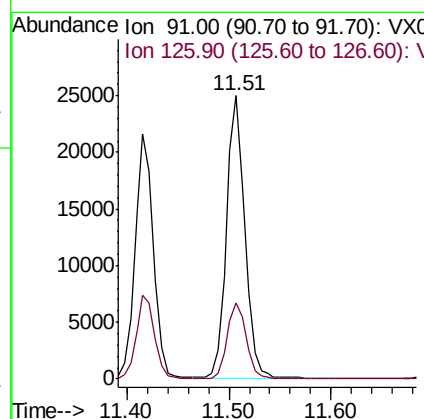
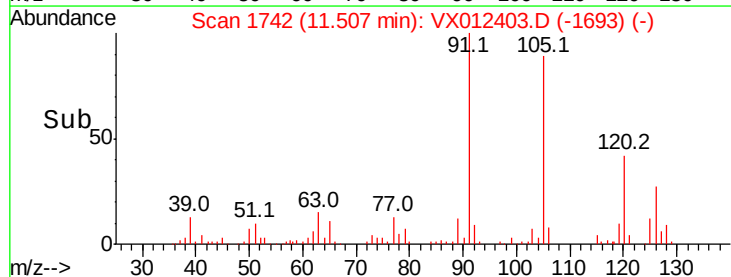
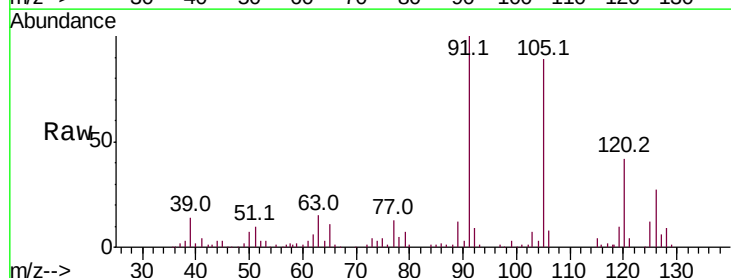
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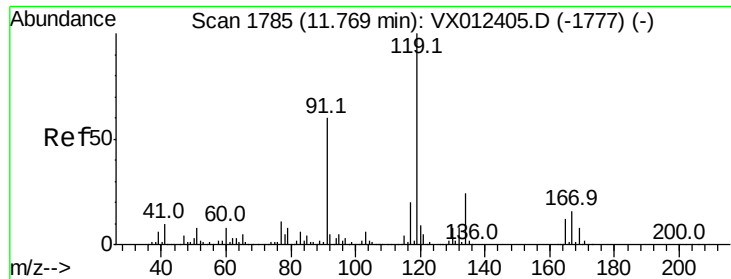
MMDadoda
9/23/2019 5:04:02 PM



#82
4-Chlorotoluene
Concen: 6.395 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.3





#83

tert-Butylbenzene

Concen: 6.467 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

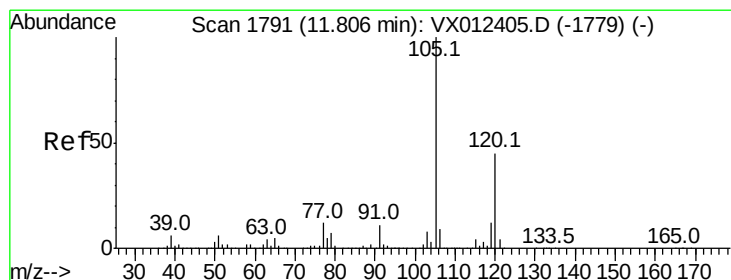
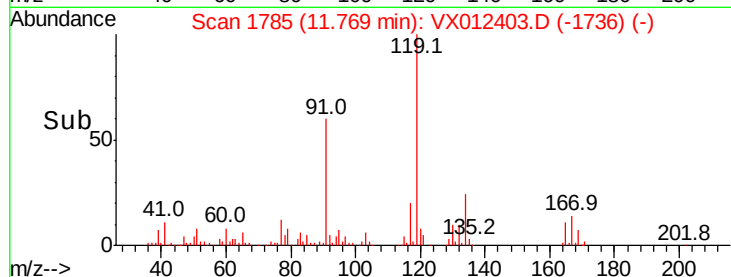
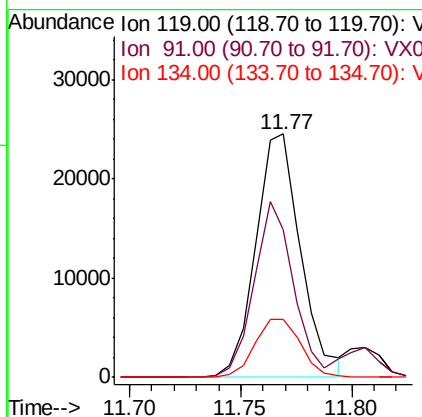
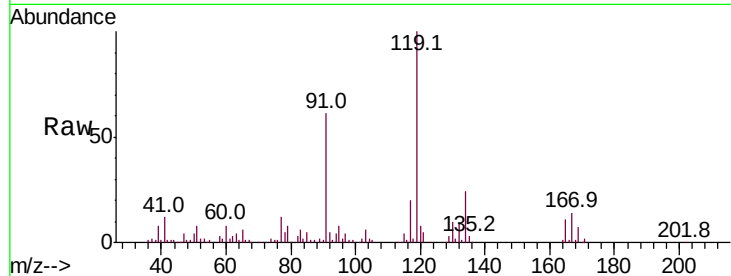
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	34440
Ion Ratio	Lower	Upper	
119	100		
91	63.3	29.6	88.8
134	24.5	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 6.134 ug/l

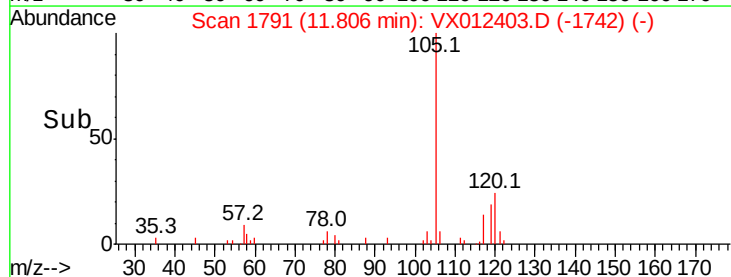
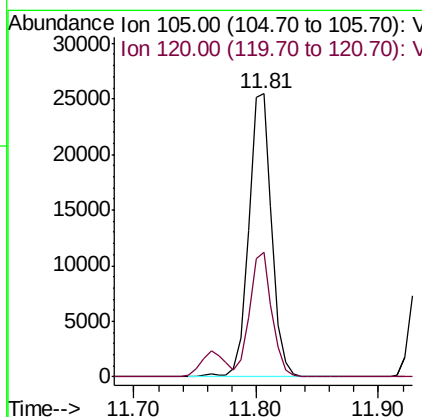
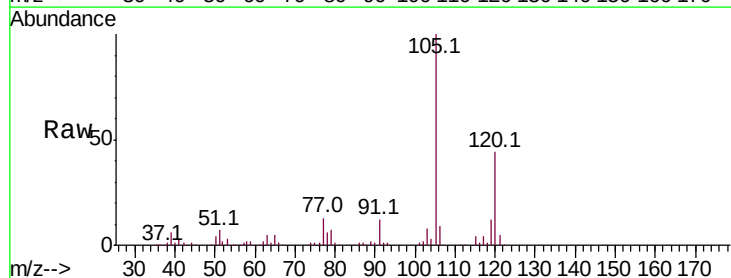
RT: 11.81 min Scan# 1791

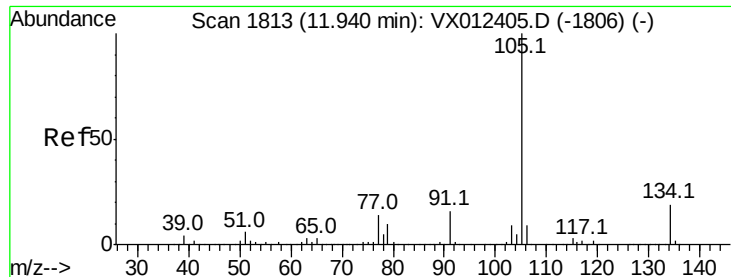
Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion:	105	Resp:	33125
Ion Ratio	Lower	Upper	
105	100		
120	42.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 6.367 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 38818

Ion Ratio Lower Upper

105 100

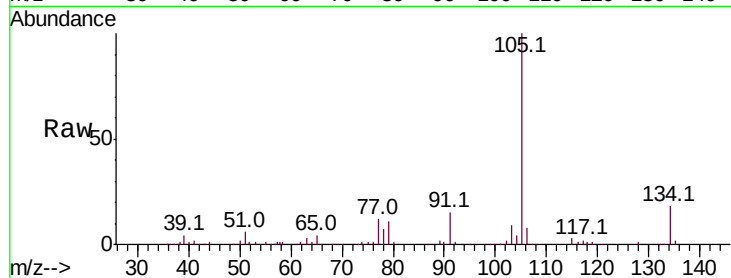
134 20.5 10.1 30.1

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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

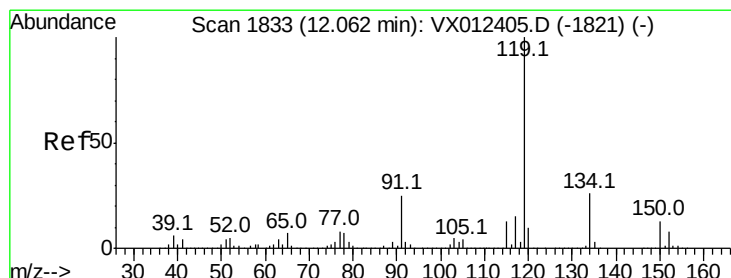
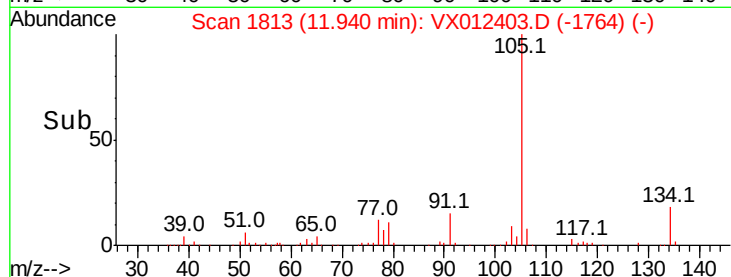
30000

20000

10000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.893 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

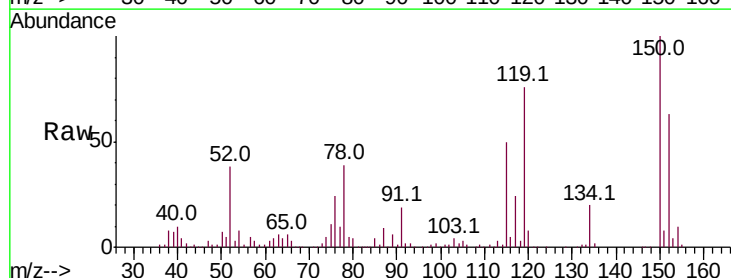
Tgt Ion:119 Resp: 34142

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

91 28.0 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

40000

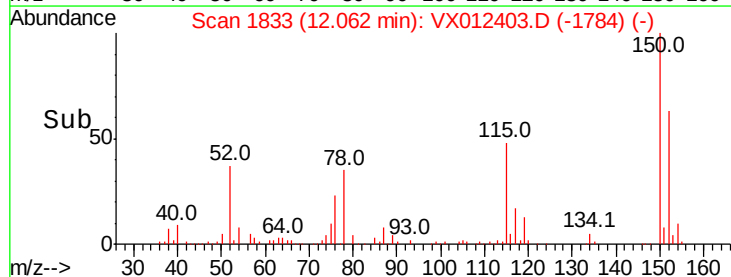
30000

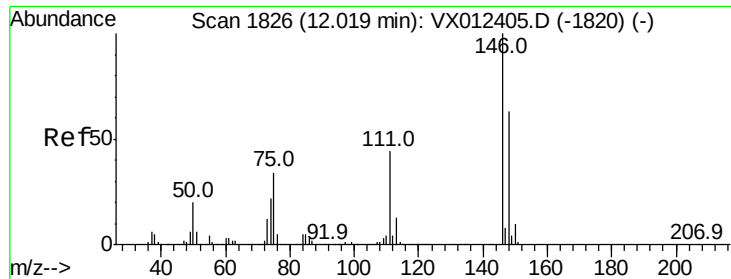
20000

10000

0

Time-->





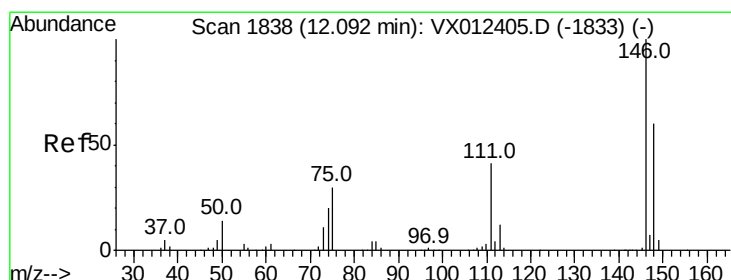
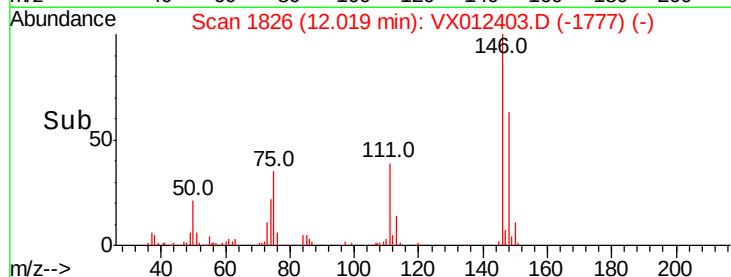
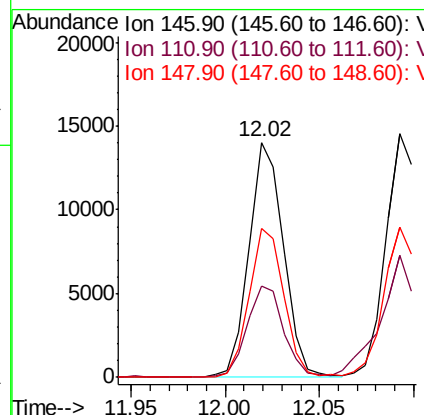
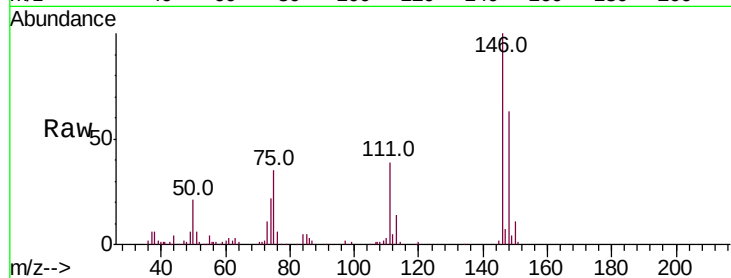
#87
 1,3-Dichlorobenzene
 Concen: 5.646 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	64.0
148	63.5	31.6	94.8

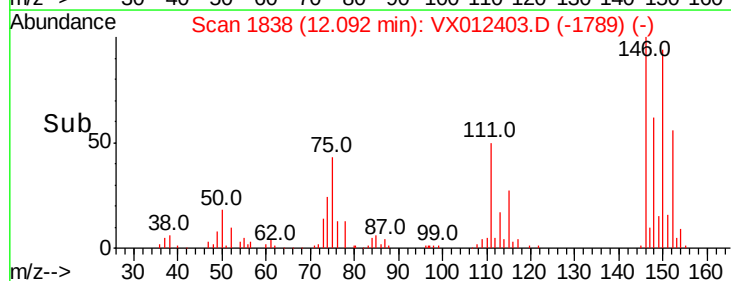
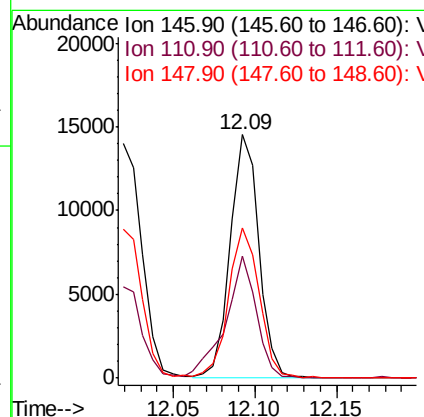
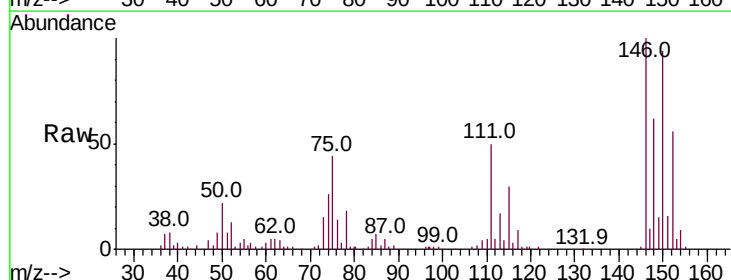
Manual Integrations
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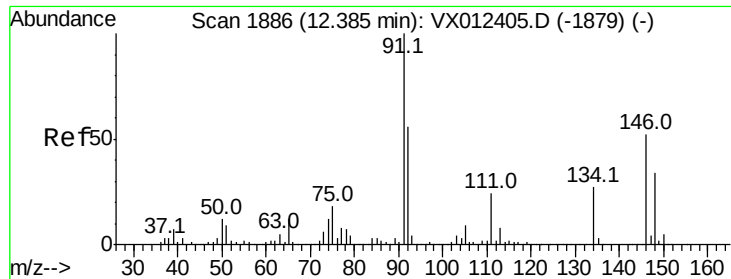
MMDadoda
 9/23/2019 5:04:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.509 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012403.D
 Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.9	20.6	61.9
148	66.1	31.6	94.8





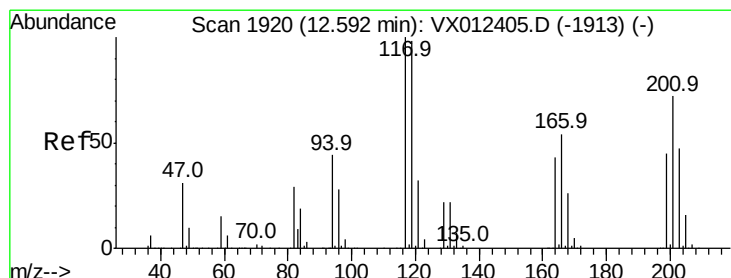
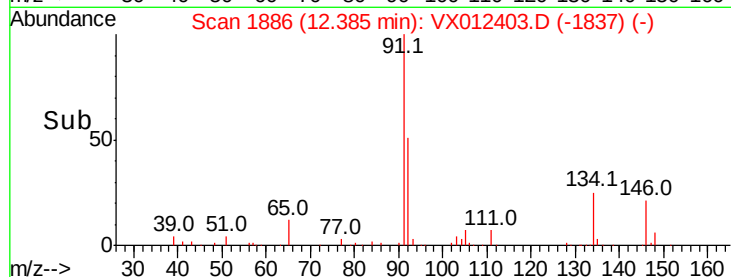
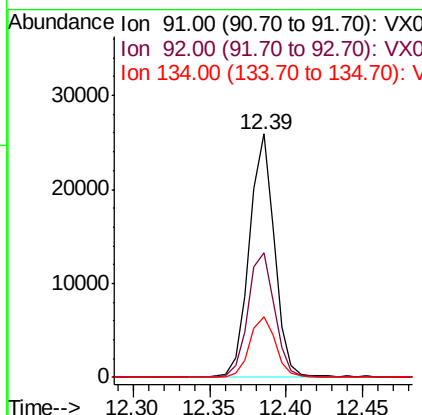
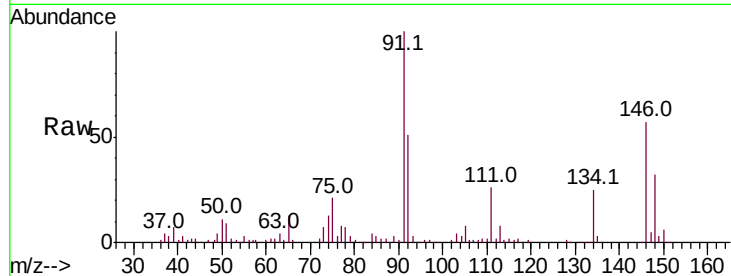
#89
n-Butylbenzene
Concen: 6.078 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	25.8	13.2	39.6

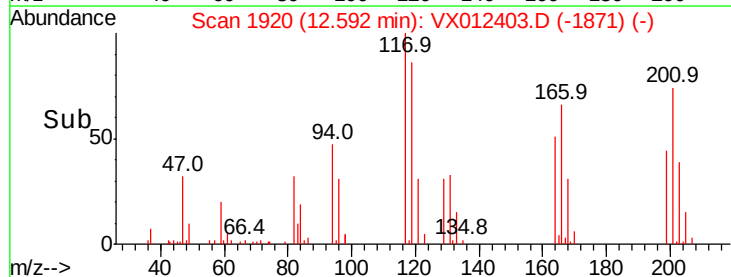
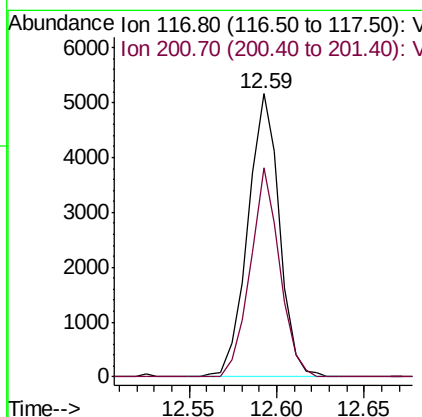
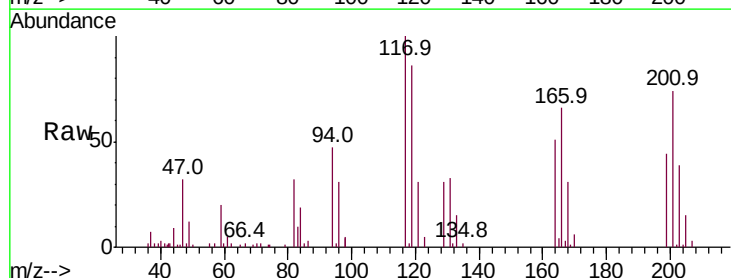
Manual Integrations
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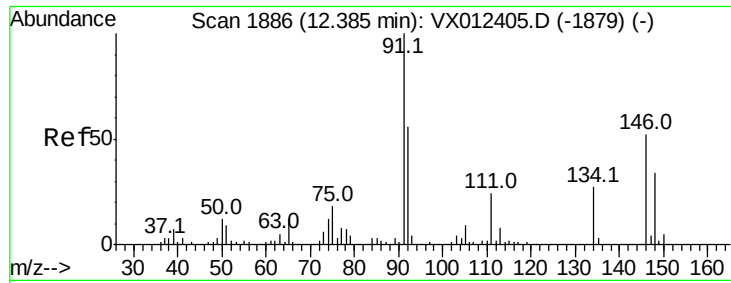
MMDadoda
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#90
Hexachloroethane
Concen: 6.860 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.9	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 5.883 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

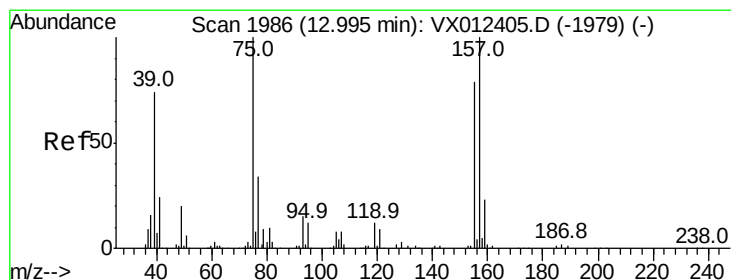
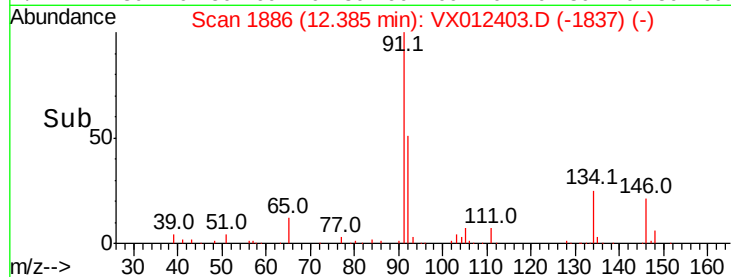
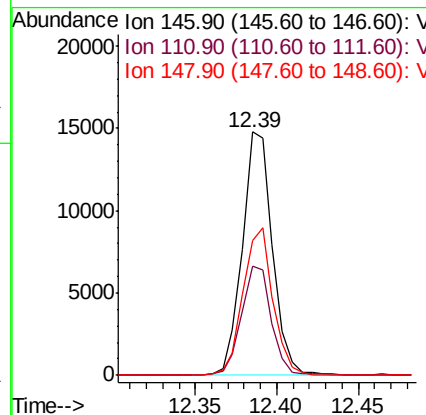
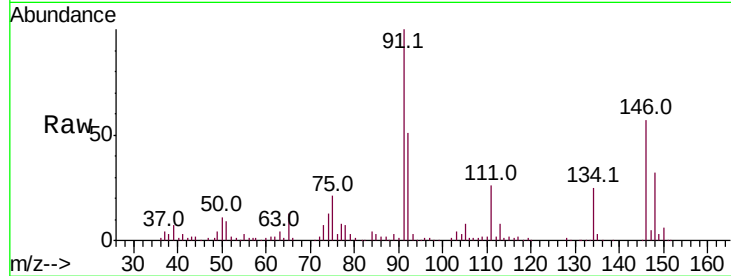
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	19017
Ion Ratio	Lower	Upper	
146	100		
111	45.0	22.3	66.9
148	60.1	32.0	96.0

Manual Integrations
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9/23/2019 5:04:02 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.644 ug/l

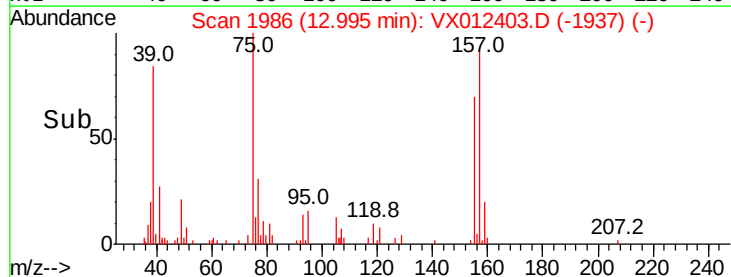
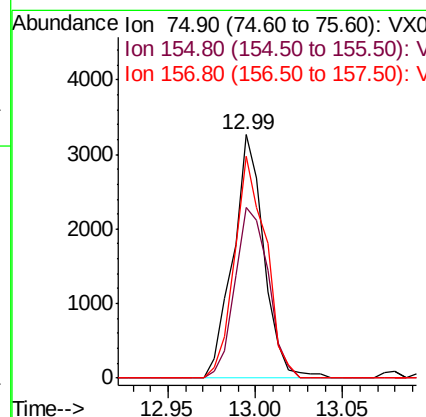
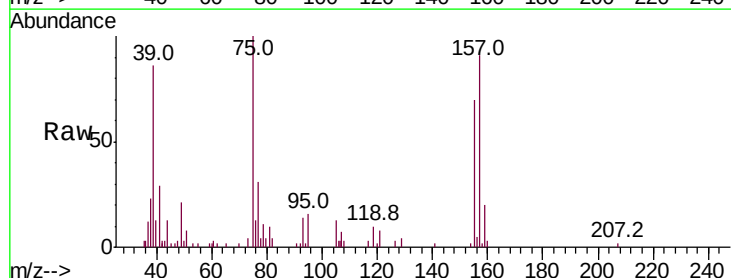
RT: 12.99 min Scan# 1986

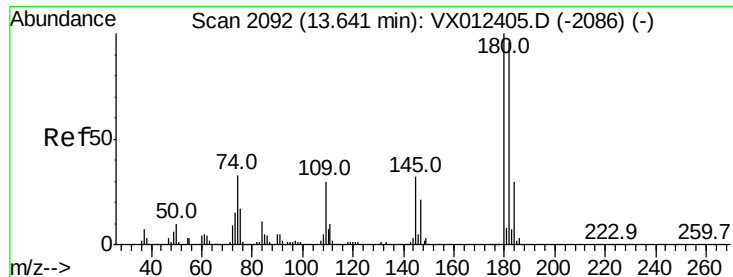
Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion:	75	Resp:	4022
Ion Ratio	Lower	Upper	
75	100		
155	75.5	39.8	119.4
157	92.5	50.0	150.1





#93

1,2,4-Trichlorobenzene

Concen: 5.122 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Instrument :

MSVOA_X

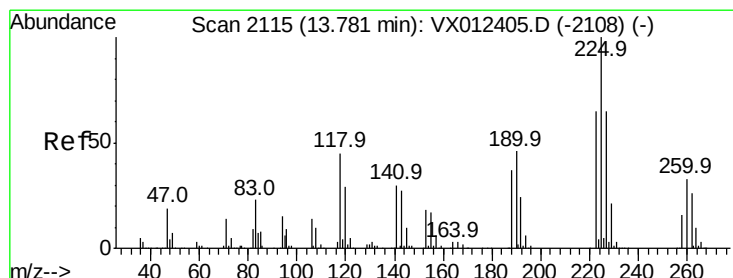
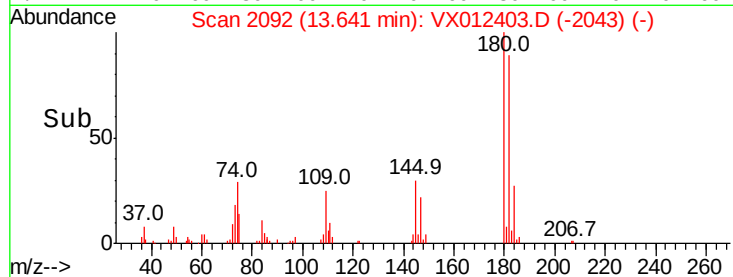
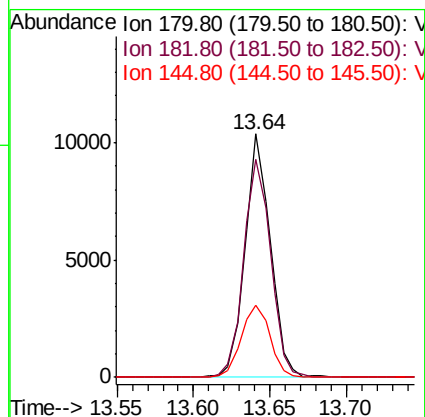
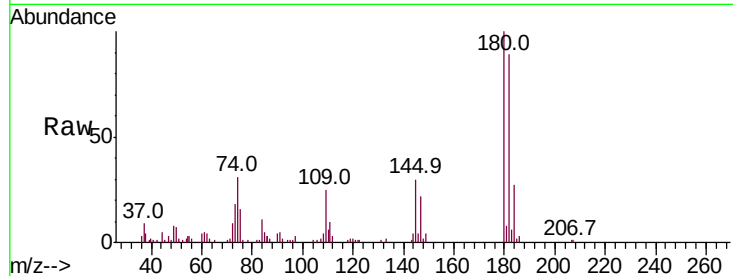
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	11927
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.1	144.4
145	33.5	16.6	49.7

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 4.866 ug/l

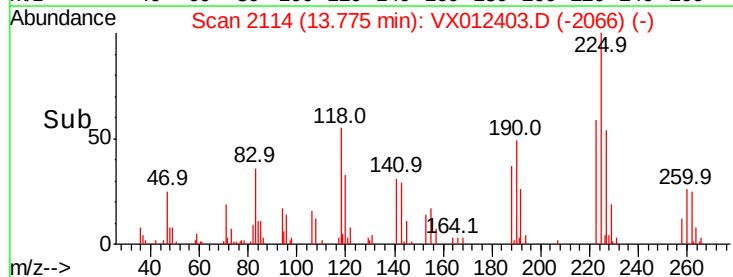
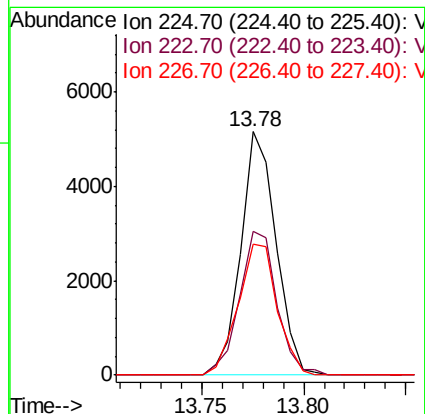
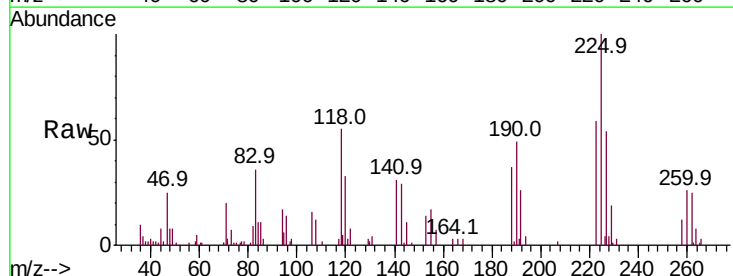
RT: 13.78 min Scan# 2114

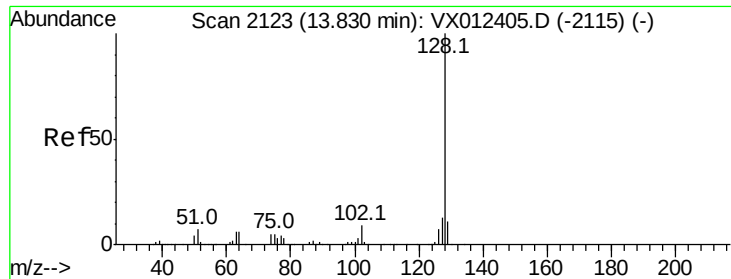
Delta R.T. -0.01 min

Lab File: VX012403.D

Acq: 16 Sep 2019 12:47

Tgt Ion:	225	Resp:	6148
Ion Ratio	Lower	Upper	
225	100		
223	62.7	32.0	96.0
227	60.0	32.8	98.3





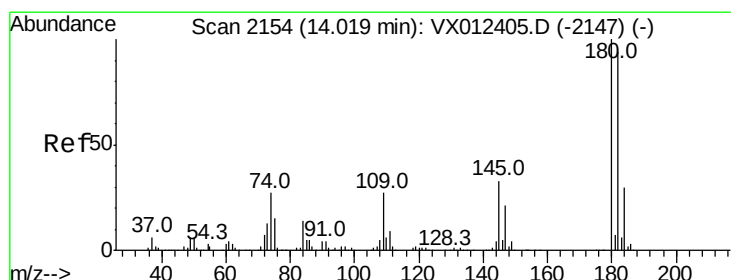
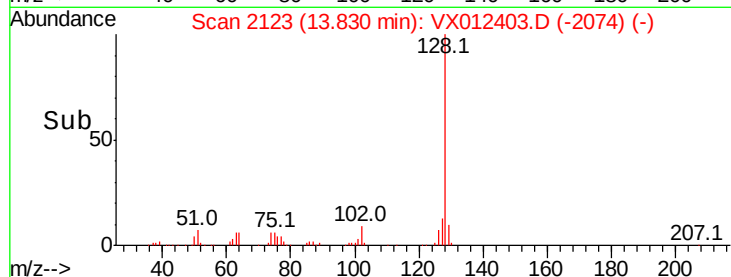
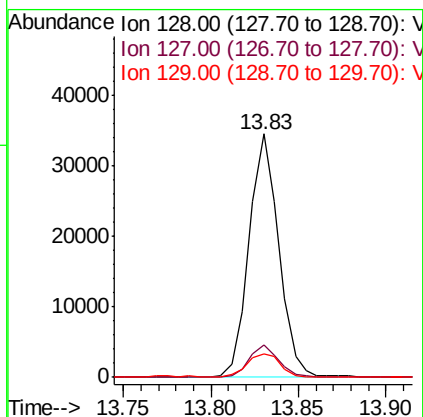
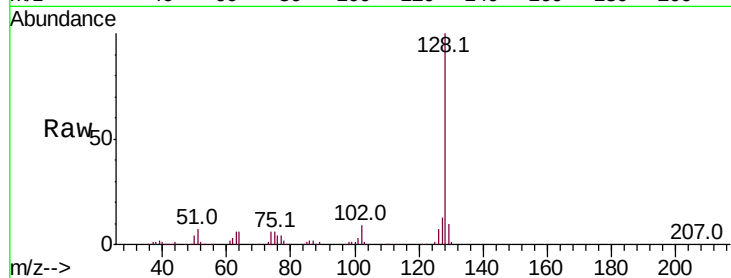
#95
Naphthalene
Concen: 6.024 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/23/2019 5:04:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.296 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012403.D
Acq: 16 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.8
145	36.5	17.6	52.9

