

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011884.D
 Acq On : 29 Aug 2019 20:48
 Operator : SY/SP
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:16 AM

Quant Time: Aug 30 01:43:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:36:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	363786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	496383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	460781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	265256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	18028	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
35) Dibromofluoromethane	5.48	113	14731	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	
50) Toluene-d8	8.71	98	60963	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	
62) 4-Bromofluorobenzene	11.13	95	25214	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	12526	5.636	ug/l	98
3) Chloromethane	1.31	50	13446	5.151	ug/l	100
4) Vinyl Chloride	1.40	62	12766	5.153	ug/l	99
5) Bromomethane	1.62	94	9851	6.178	ug/l	94
6) Chloroethane	1.71	64	7984	5.407	ug/l	98
7) Trichlorofluoromethane	1.92	101	22987	5.484	ug/l	98
8) Diethyl Ether	2.18	74	7995	5.735	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	15117	6.147	ug/l	99
10) Methyl Iodide	2.50	142	8573	3.840	ug/l #	98
11) Tert butyl alcohol	3.03	59	8881	29.588	ug/l	100
12) 1,1-Dichloroethene	2.36	96	13386	5.501	ug/l	97
13) Acrolein	2.28	56	4749	33.363	ug/l	99
14) Allyl chloride	2.71	41	24420	5.517	ug/l	97
15) Acrylonitrile	3.13	53	19268	25.661	ug/l	97
16) Acetone	2.43	43	21086	16.207	ug/l	96
17) Carbon Disulfide	2.56	76	38499	5.283	ug/l	98
18) Methyl Acetate	2.76	43	10385	3.772	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	40436	5.093	ug/l	98
20) Methylene Chloride	2.84	84	24598	7.509	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	15128	5.023	ug/l	95
22) Diisopropyl ether	3.84	45	49107	5.121	ug/l #	82
23) Vinyl Acetate	3.80	43	152066	36.318	ug/l	100
24) 1,1-Dichloroethane	3.68	63	27161	5.007	ug/l	97
25) 2-Butanone	4.67	43	25893	24.560	ug/l	99
26) 2,2-Dichloropropane	4.57	77	23687	6.231	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	17760	4.992	ug/l	98
28) Bromochloromethane	4.99	49	11687	4.844	ug/l	100
29) Tetrahydrofuran	5.12	42	16120	24.556	ug/l	92
30) Chloroform	5.20	83	29137	4.983	ug/l	99
31) Cyclohexane	5.56	56	24080	5.450	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	26701	5.411	ug/l	98
36) 1,1-Dichloropropene	5.79	75	21198	5.414	ug/l	99
37) Ethyl Acetate	4.82	43	11477	6.220	ug/l #	92
38) Carbon Tetrachloride	5.77	117	24084	6.312	ug/l	98

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Manual Integrations
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MMDadoda
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Quant Time: Aug 30 01:43:31 2019
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 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:36:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	26576	5.677	ug/l	98
40) Benzene	6.13	78	60153	5.141	ug/l	98
41) Methacrylonitrile	5.03	41	6435	5.121	ug/l	92
42) 1,2-Dichloroethane	6.18	62	19990	5.120	ug/l	95
43) Isopropyl Acetate	6.43	43	22715	6.178	ug/l	95
44) Trichloroethene	7.21	130	19021	4.708	ug/l	100
45) 1,2-Dichloropropane	7.51	63	15238	5.115	ug/l	97
46) Dibromomethane	7.65	93	9282	5.207	ug/l	94
47) Bromodichloromethane	7.89	83	22713	5.499	ug/l #	99
48) Methyl methacrylate	7.76	41	11133	6.155	ug/l	97
49) 1,4-Dioxane	7.74	88	2915	111.597	ug/l #	83
51) 4-Methyl-2-Pentanone	8.63	43	58974	30.136	ug/l	100
52) Toluene	8.78	92	40203	5.242	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	22608	7.010	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	25778	6.241	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	13855	5.722	ug/l	92
56) Ethyl methacrylate	9.17	69	17989	7.156	ug/l	99
57) 1,3-Dichloropropane	9.37	76	22203	5.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	43002	53.217	ug/l	100
59) 2-Hexanone	9.49	43	41398	32.193	ug/l	99
60) Dibromochloromethane	9.58	129	17557	5.633	ug/l	98
61) 1,2-Dibromoethane	9.66	107	12986	5.716	ug/l	96
64) Tetrachloroethene	9.33	164	20408	4.444	ug/l	97
65) Chlorobenzene	10.13	112	45457	5.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	18354	5.856	ug/l	97
67) Ethyl Benzene	10.25	91	79140	5.310	ug/l	99
68) m/p-Xylenes	10.35	106	60656	10.535	ug/l	98
69) o-Xylene	10.69	106	29522	5.345	ug/l	99
70) Styrene	10.71	104	50620	5.592	ug/l	98
71) Bromoform	10.85	173	12458	5.856	ug/l #	99
73) Isopropylbenzene	11.02	105	81572	5.246	ug/l	100
74) N-amyl acetate	10.90	43	23108	6.047	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	15797	6.136	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	13222m	6.484	ug/l	
77) Bromobenzene	11.25	156	22899	5.242	ug/l	98
78) n-propylbenzene	11.35	91	90540	5.167	ug/l	99
79) 2-Chlorotoluene	11.41	91	55356	5.234	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	68627	5.234	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5334	9.507	ug/l	97
82) 4-Chlorotoluene	11.51	91	66964	5.315	ug/l	100
83) tert-Butylbenzene	11.77	119	69878	5.497	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	71762	5.498	ug/l	97
85) sec-Butylbenzene	11.94	105	81480	5.329	ug/l	99
86) p-Isopropyltoluene	12.06	119	78243	5.486	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	42889	5.273	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	44139	5.442	ug/l	95
89) n-Butylbenzene	12.38	91	71000	5.658	ug/l	98
90) Hexachloroethane	12.59	117	14296	7.291	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	40012	5.415	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3131	7.759	ug/l	96

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MSVOA_X
ClientSampleId :
VSTDICC005

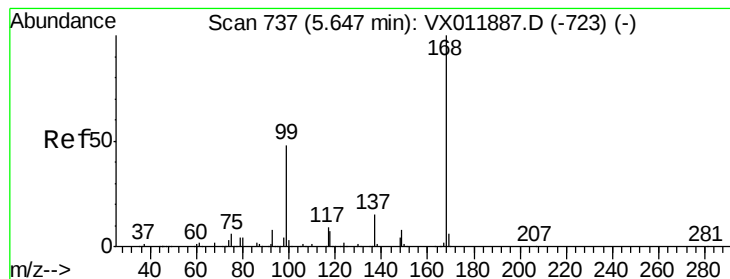
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:36:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	32561	5.491	ug/l	98
94) Hexachlorobutadiene	13.78	225	21816	5.584	ug/l	99
95) Naphthalene	13.83	128	54828	6.241	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	29587	5.707	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 363786

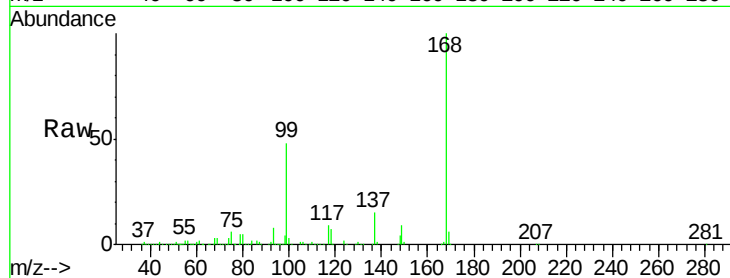
Ion Ratio Lower Upper

168 100

99 48.3 38.4 57.6

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

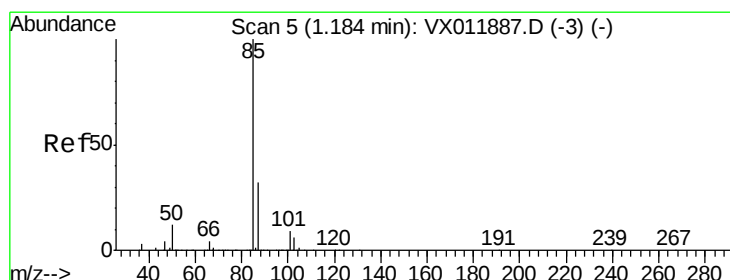
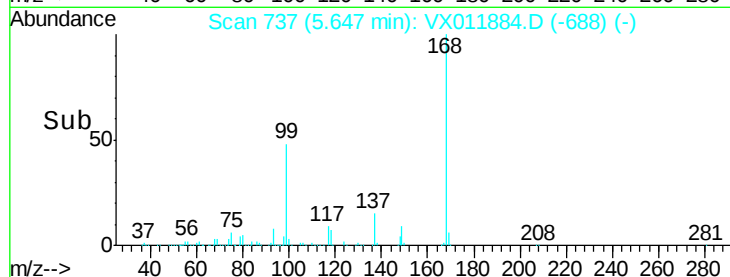
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.636 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011884.D

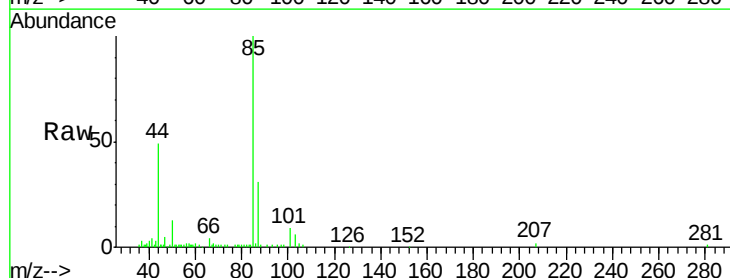
Acq: 29 Aug 2019 20:48

Tgt Ion: 85 Resp: 12526

Ion Ratio Lower Upper

85 100

87 31.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

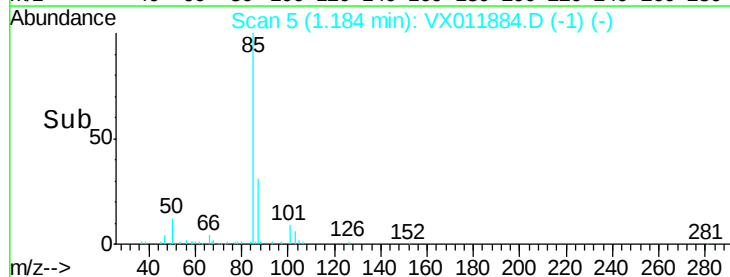
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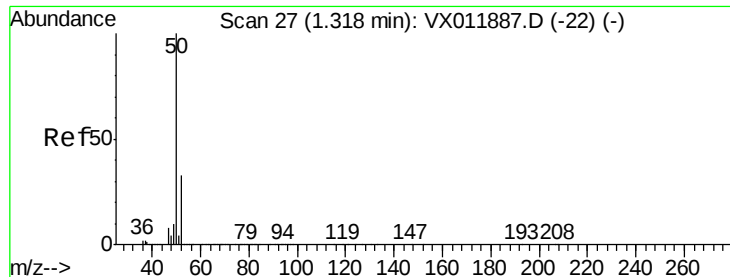
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.151 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13446

Ion Ratio Lower Upper

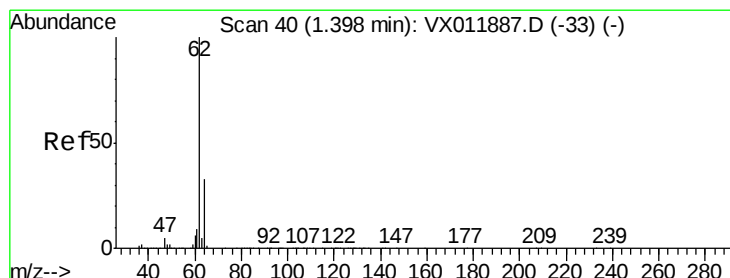
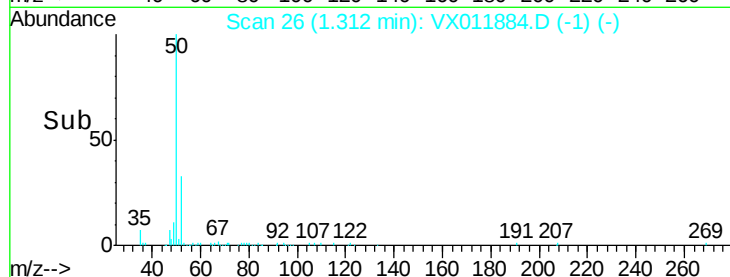
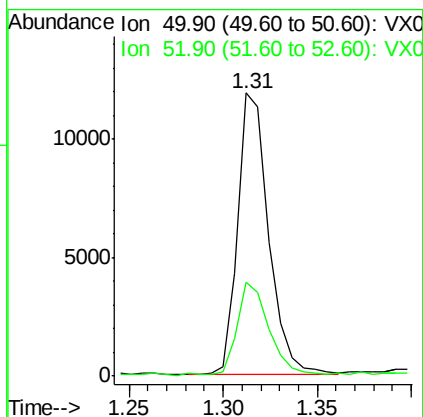
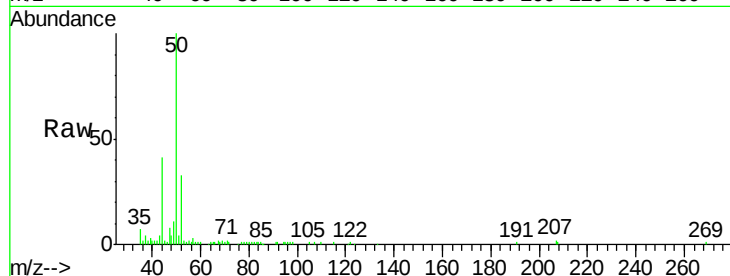
50 100

52 32.7 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.153 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011884.D

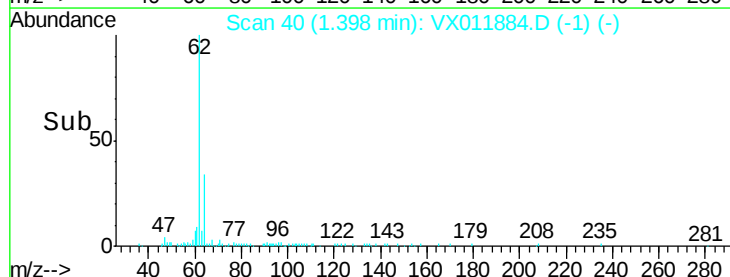
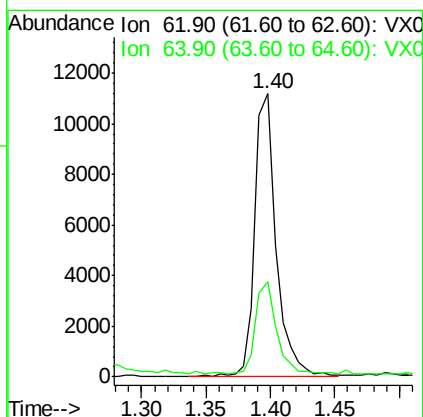
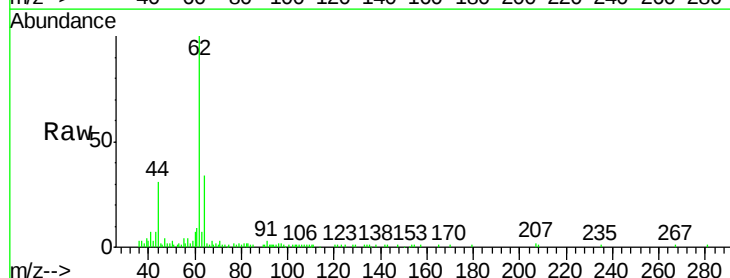
Acq: 29 Aug 2019 20:48

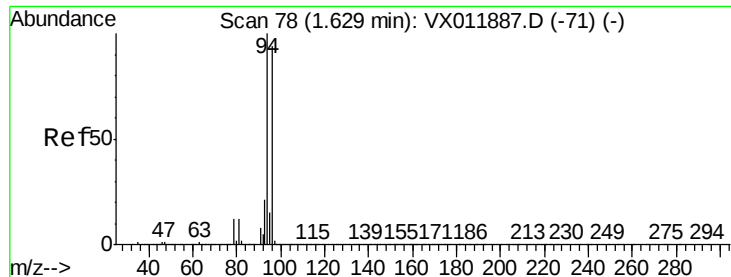
Tgt Ion: 62 Resp: 12766

Ion Ratio Lower Upper

62 100

64 32.8 26.0 39.0





#5

Bromomethane

Concen: 6.178 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9851

Ion Ratio Lower Upper

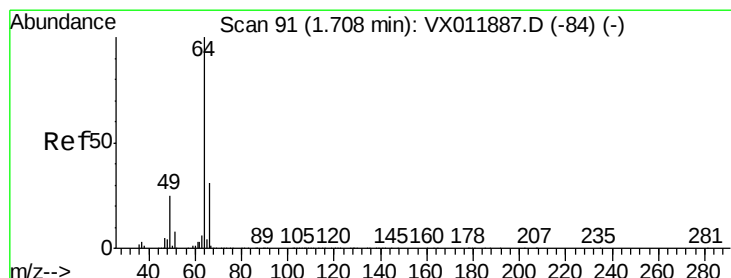
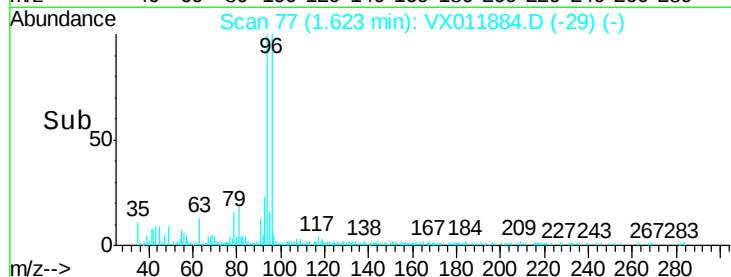
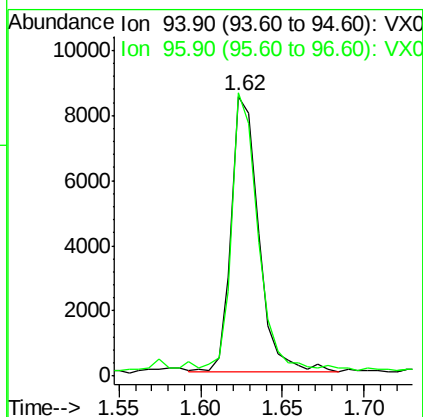
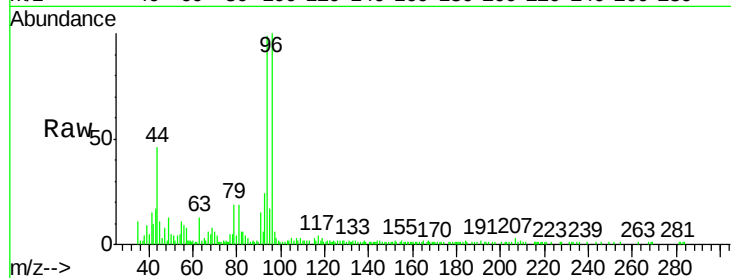
94 100

96 100.0 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 5.407 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX011884.D

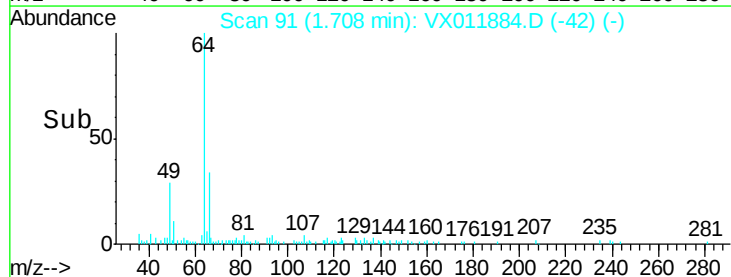
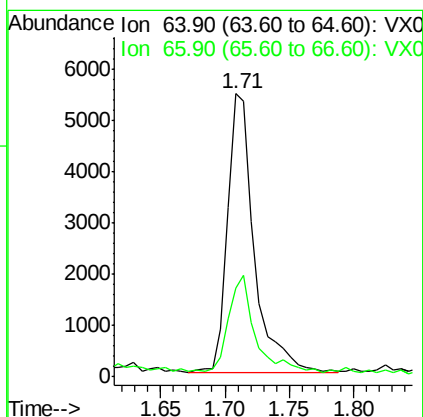
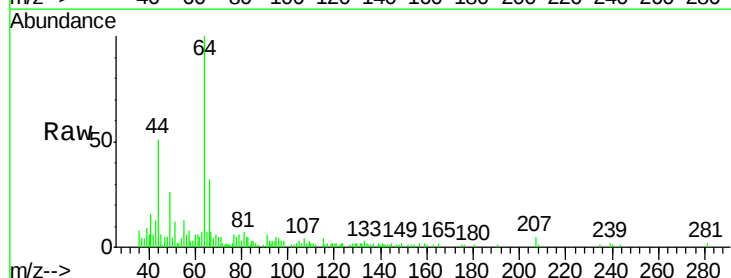
Acq: 29 Aug 2019 20:48

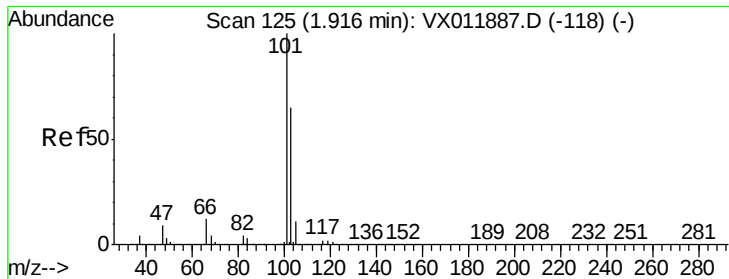
Tgt Ion: 64 Resp: 7984

Ion Ratio Lower Upper

64 100

66 30.0 25.0 37.4





#7

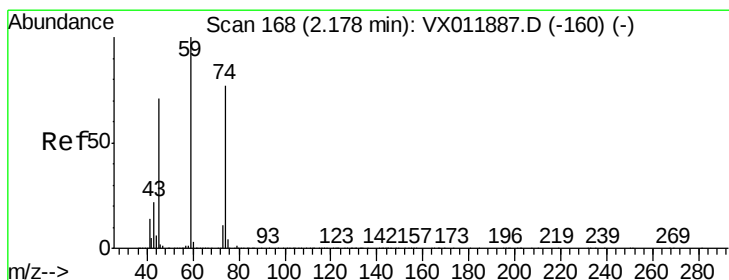
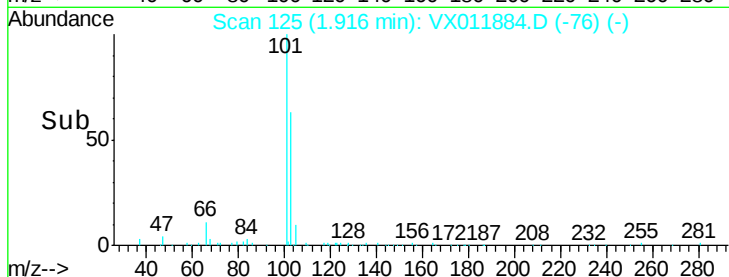
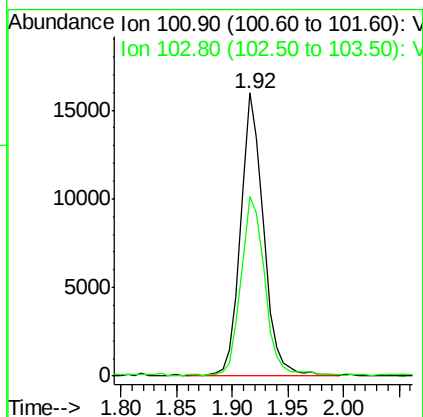
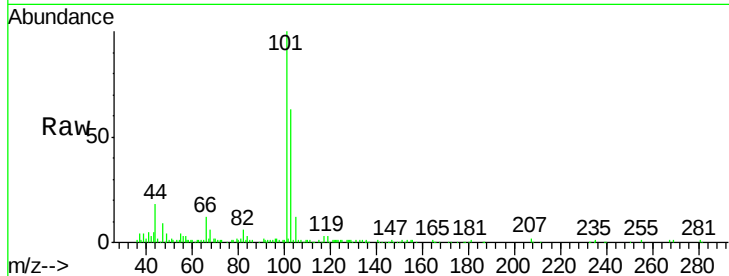
Trichlorofluoromethane
Concen: 5.484 ug/l
RT: 1.92 min Scan# 125
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.6	77.4

Manual Integrations
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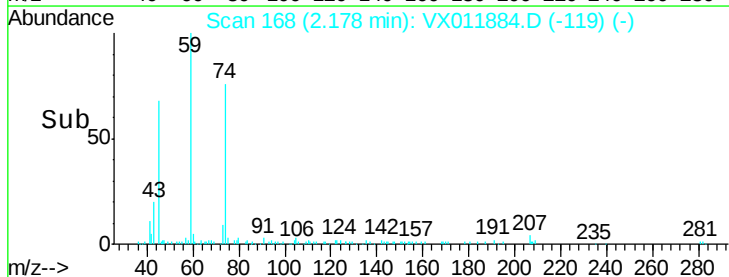
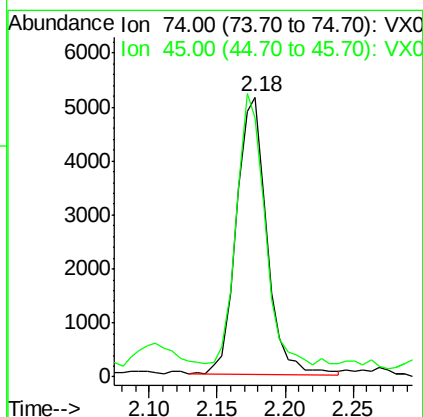
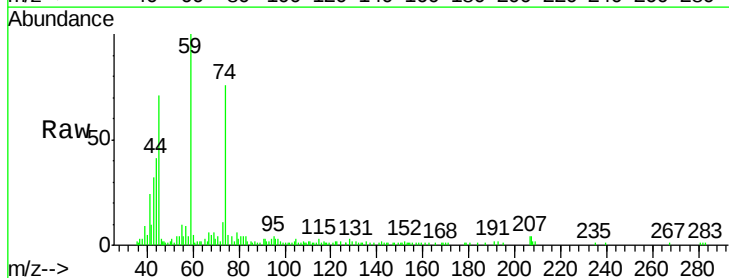
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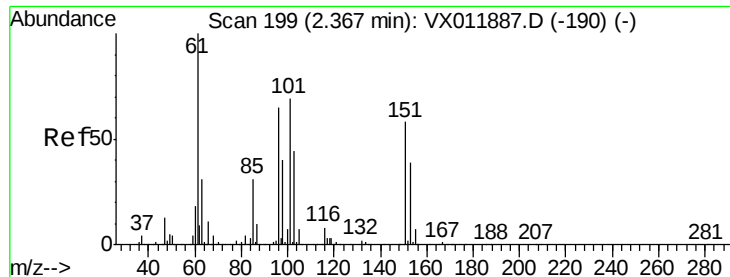


#8

Diethyl Ether
Concen: 5.735 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.147 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

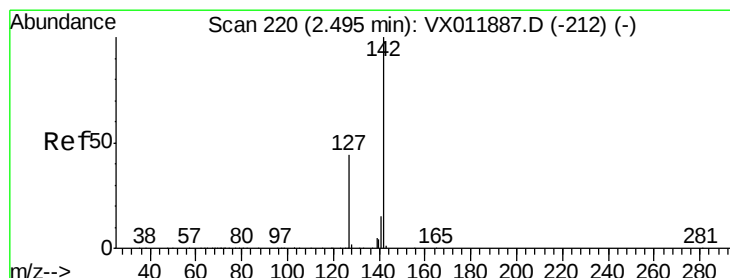
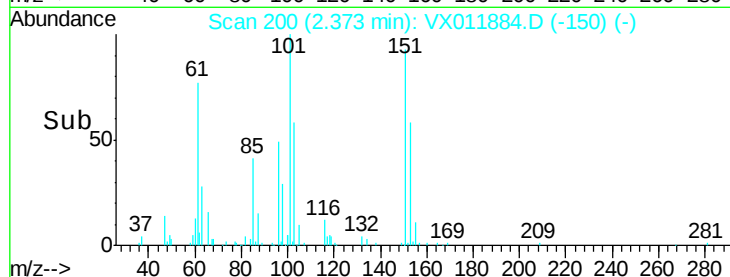
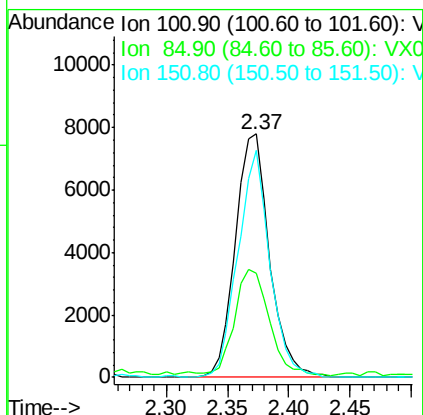
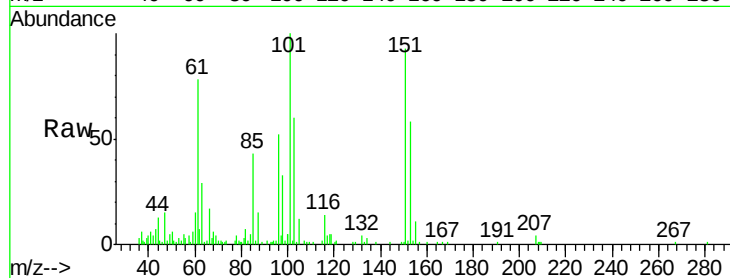
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15117
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.9	52.3
151	86.9	70.9	106.3

Manual Integrations
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9/3/2019 2:39:16 AM



#10

Methyl Iodide

Concen: 3.840 ug/l

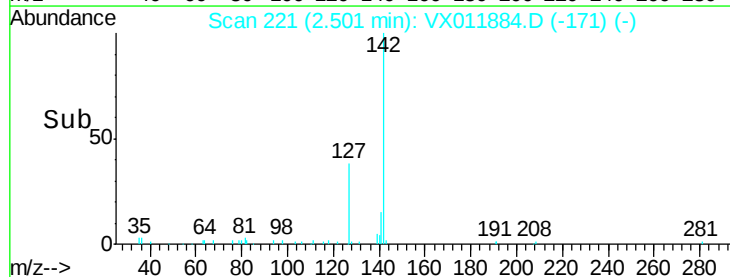
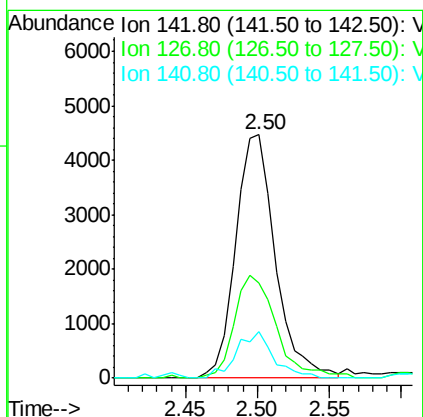
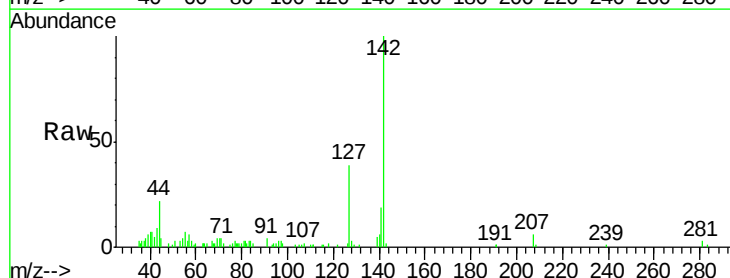
RT: 2.50 min Scan# 221

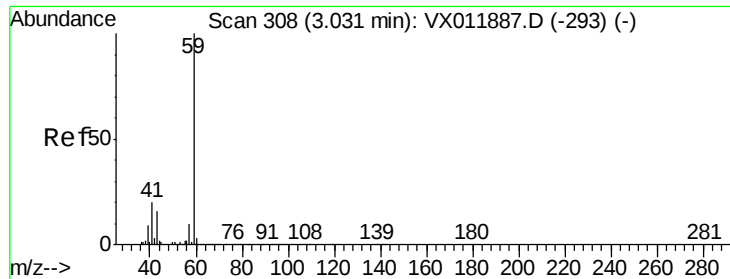
Delta R.T. 0.01 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	142	Resp:	8573
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.7	53.5
141	17.9	11.8	17.6#





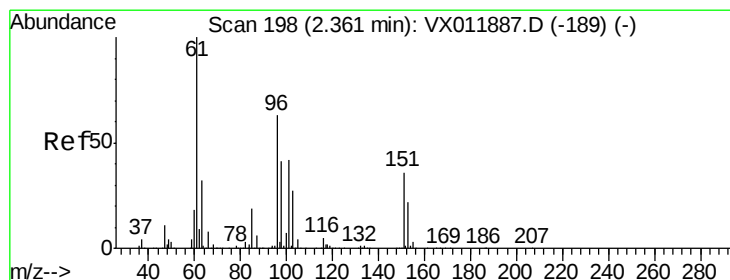
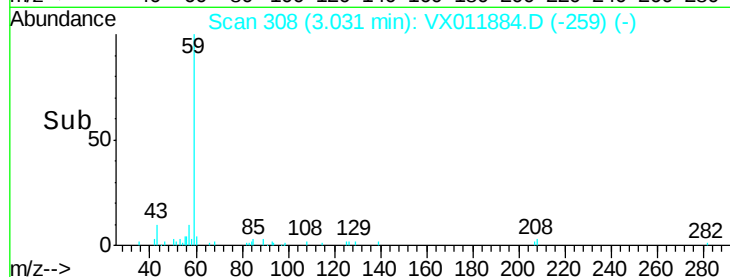
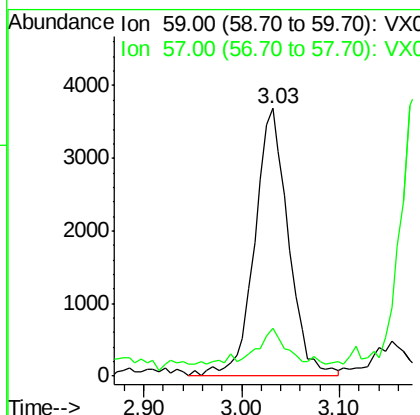
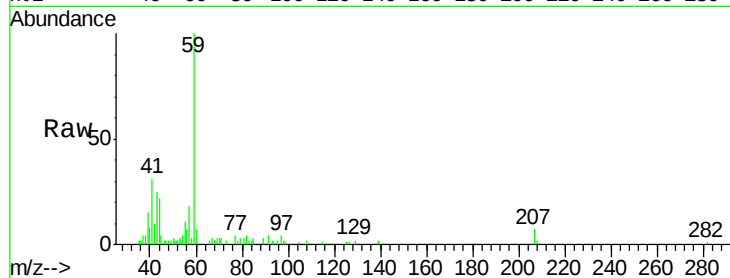
#11
Tert butyl alcohol
Concen: 29.588 ug/l
RT: 3.03 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

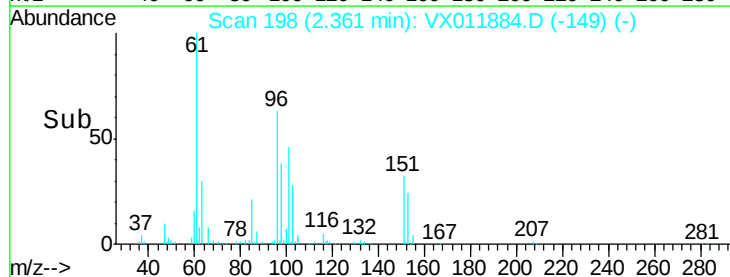
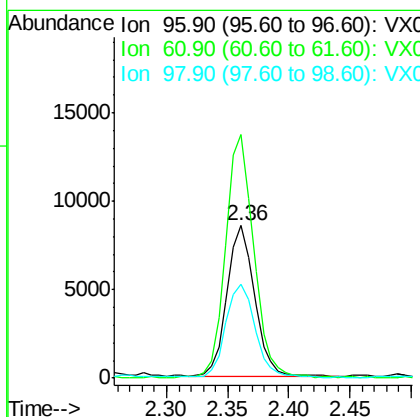
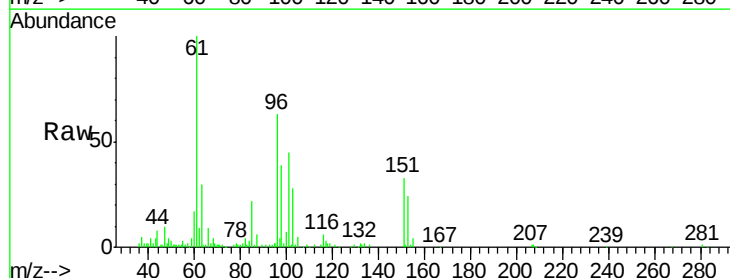
Manual Integrations
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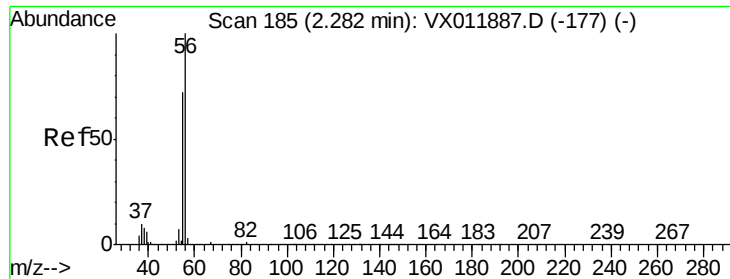
MMDadoda
9/3/2019 2:39:16 AM



#12
1,1-Dichloroethene
Concen: 5.501 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	126.6	190.0
98	61.6	51.6	77.4





#13

Acrolein

Concen: 33.363 ug/l

RT: 2.28 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4749

Ion Ratio Lower Upper

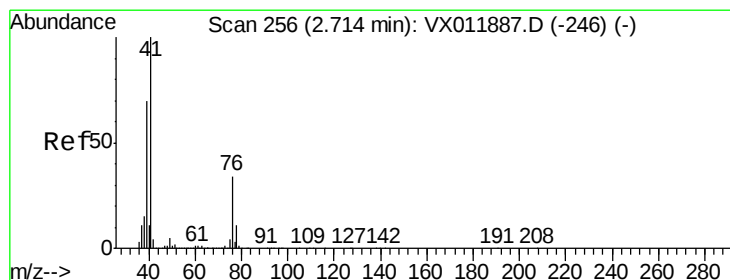
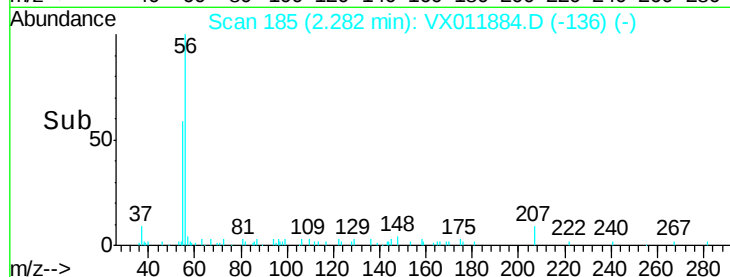
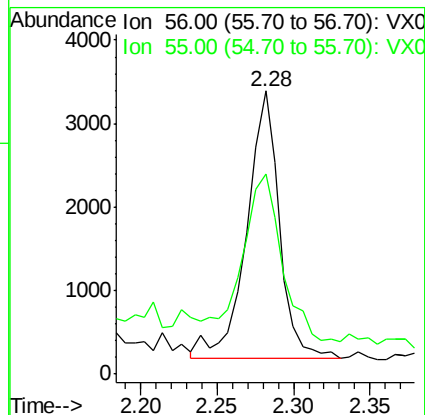
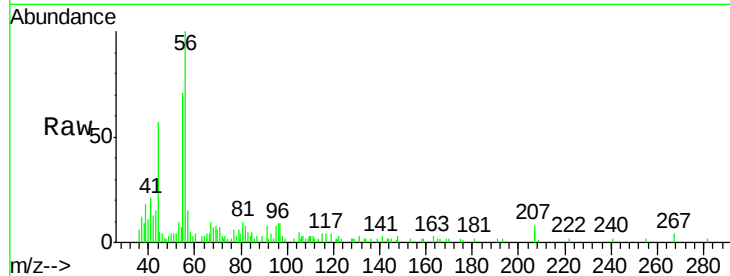
56 100

55 72.6 58.6 88.0

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#14

Allyl chloride

Concen: 5.517 ug/l

RT: 2.71 min Scan# 256

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

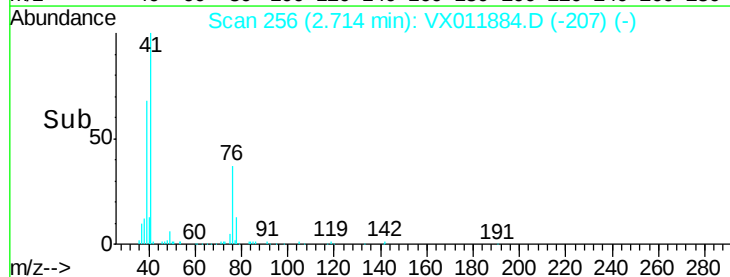
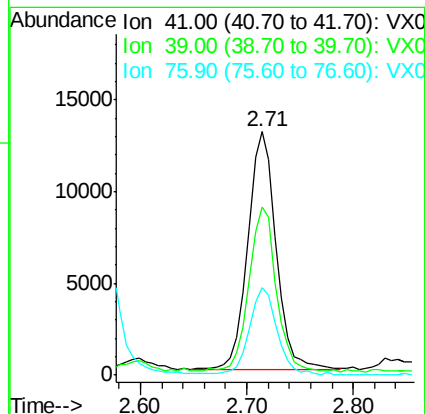
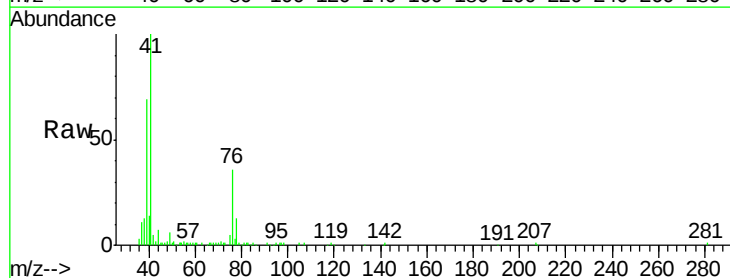
Tgt Ion: 41 Resp: 24420

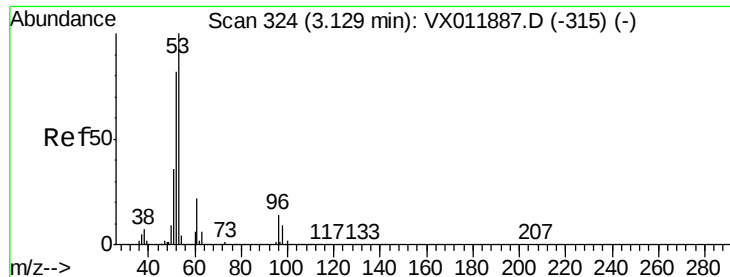
Ion Ratio Lower Upper

41 100

39 67.0 55.0 82.6

76 35.9 27.0 40.4





#15

Acrylonitrile

Concen: 25.661 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

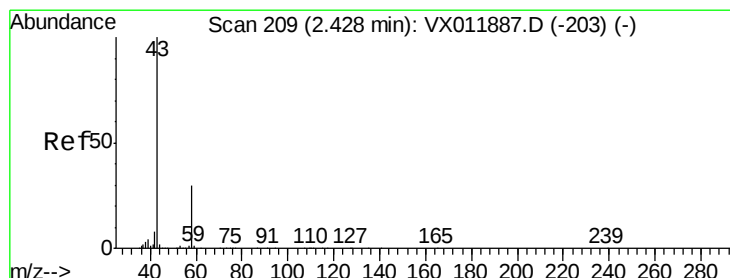
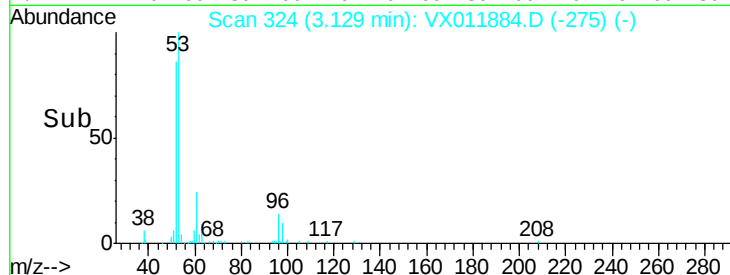
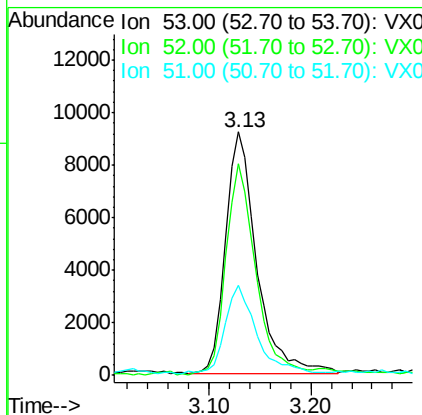
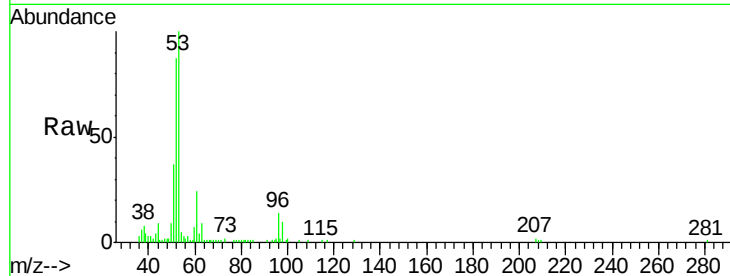
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	19268
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.3	97.9
51	37.7	29.4	44.2

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#16

Acetone

Concen: 16.207 ug/l

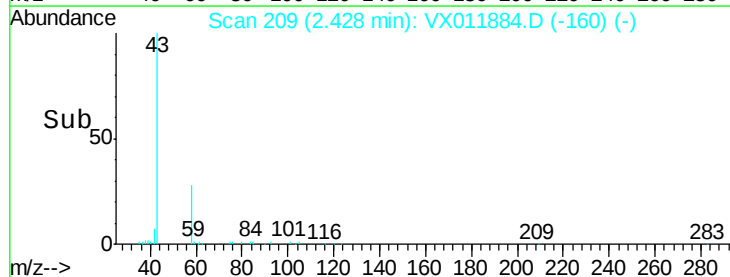
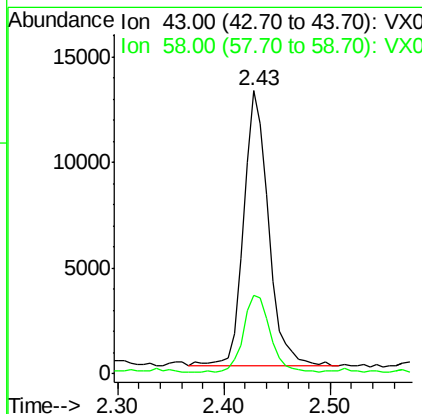
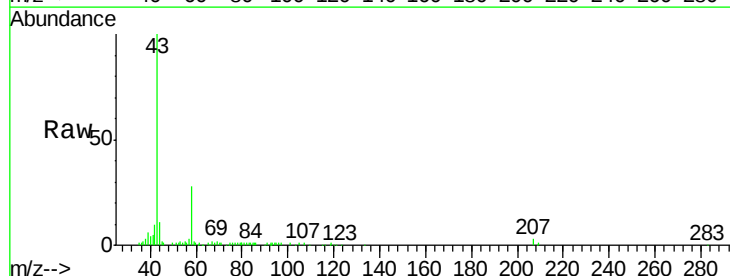
RT: 2.43 min Scan# 209

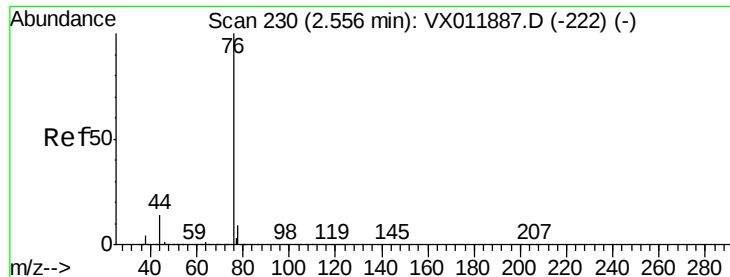
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	43	Resp:	21086
Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.8	35.8





#17

Carbon Disulfide

Concen: 5.283 ug/l

RT: 2.56 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 38499

Ion Ratio Lower Upper

76 100

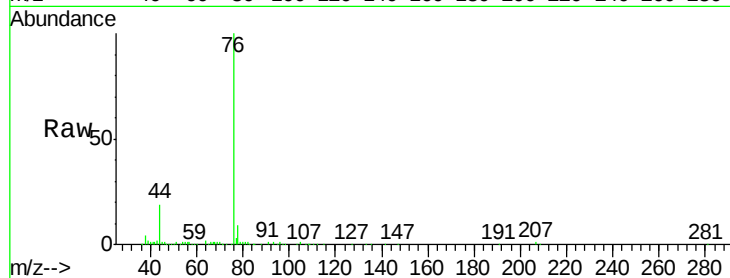
78 8.4 7.3 10.9

Manual Integrations

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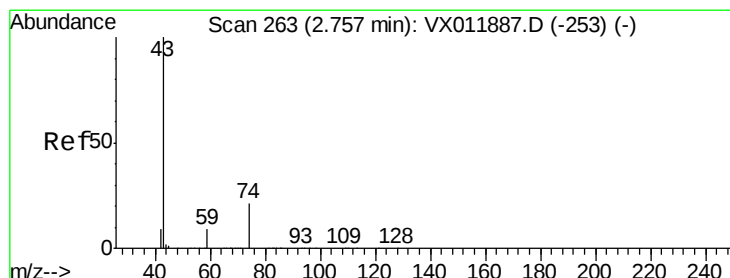
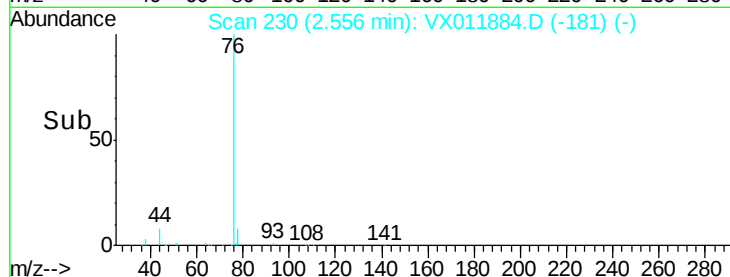
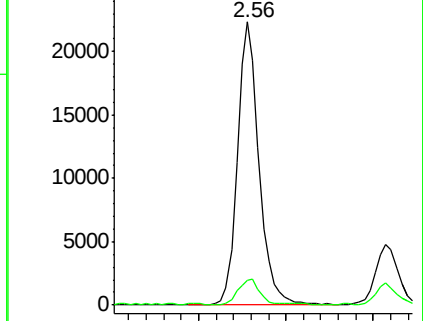
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 3.772 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX011884.D

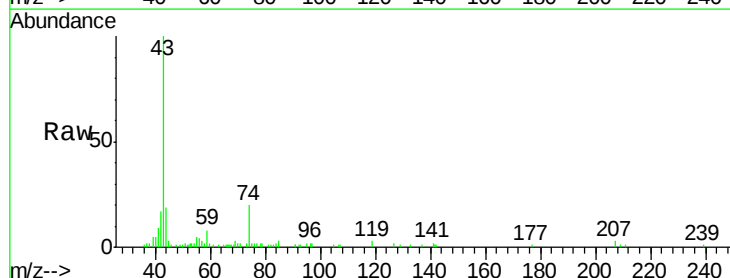
Acq: 29 Aug 2019 20:48

Tgt Ion: 43 Resp: 10385

Ion Ratio Lower Upper

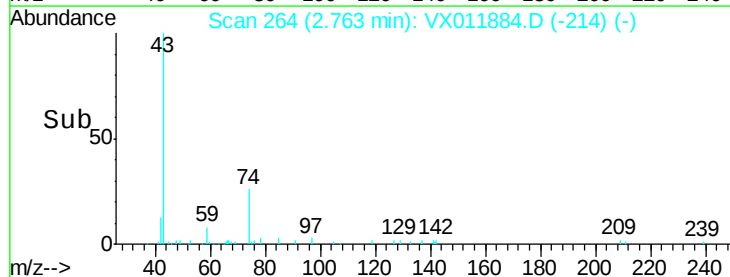
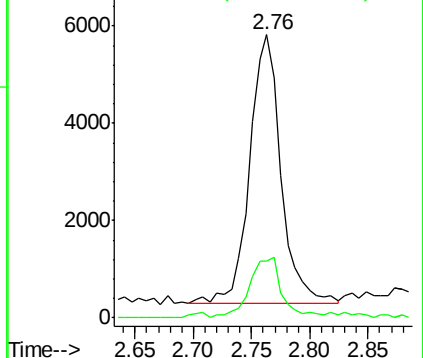
43 100

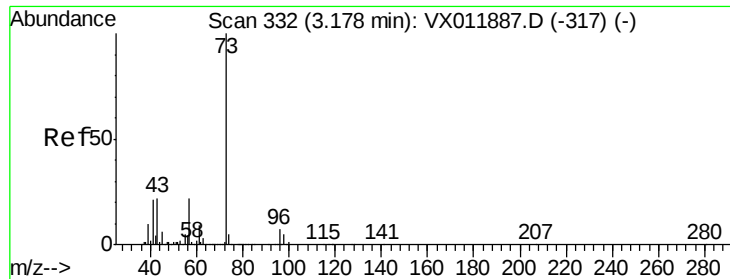
74 23.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





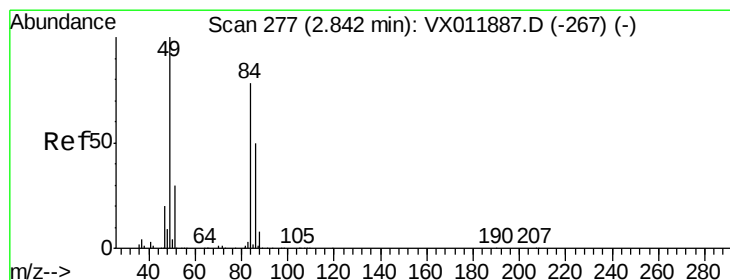
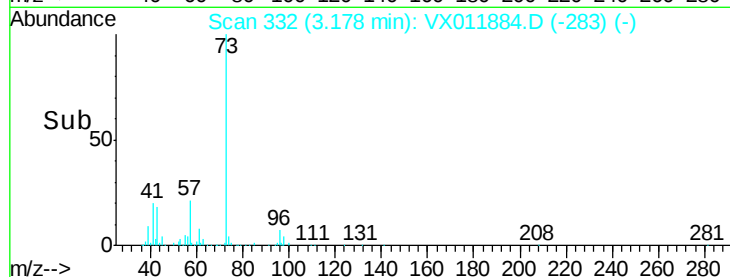
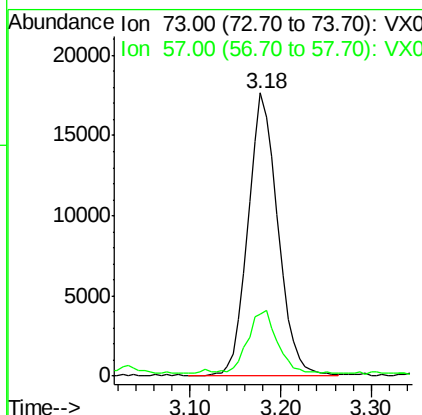
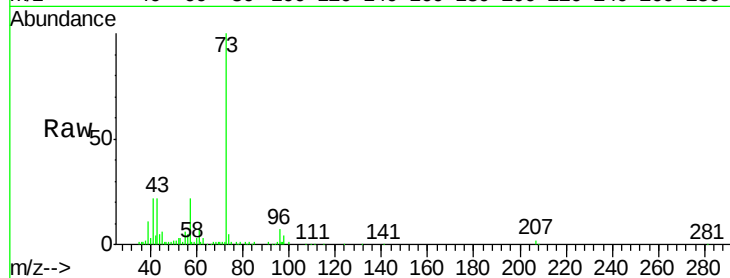
#19
Methvl tert-butvl Ether
Concen: 5.093 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	73	Resp	40436
Ion Ratio	100	Lower	Upper
73	100		
57	21.0	17.4	26.0

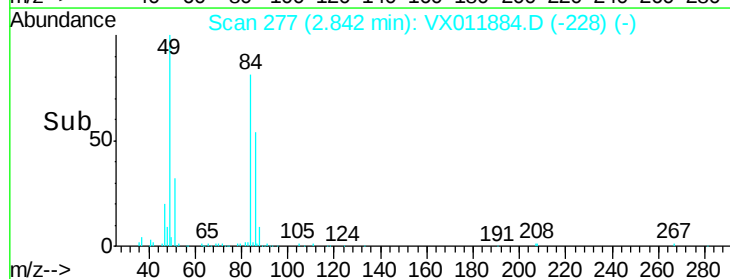
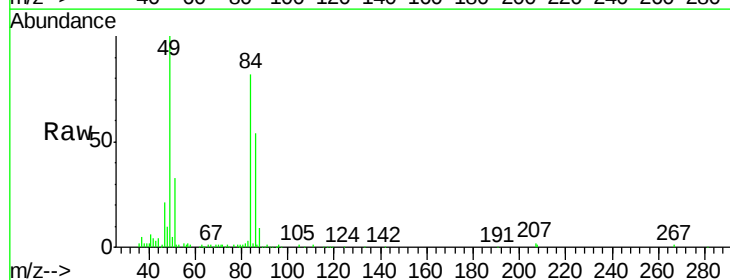
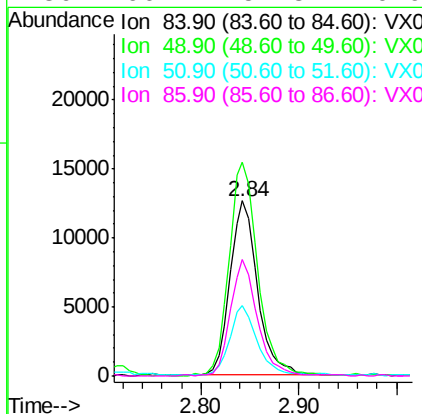
Manual Integrations
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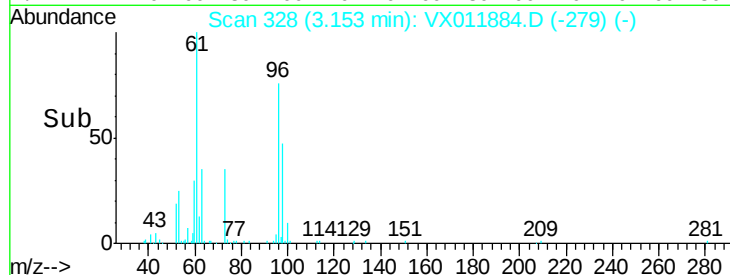
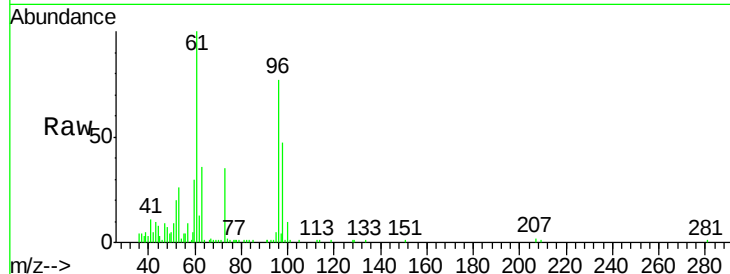
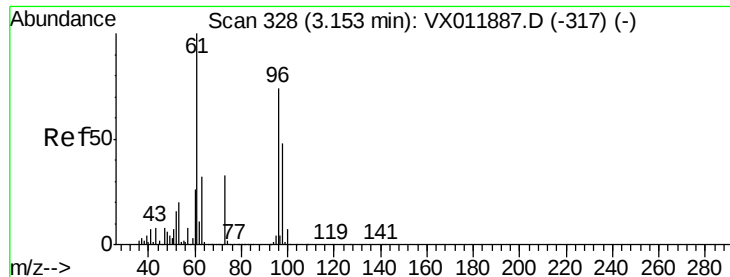
MMDadoda
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#20
Methylene Chloride
Concen: 7.509 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	84	Resp	24598
Ion Ratio	100	Lower	Upper
84	100		
49	121.9	103.0	154.4
51	39.5	30.8	46.2
86	66.2	51.3	76.9





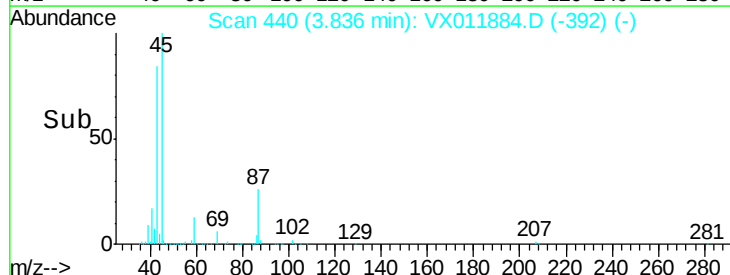
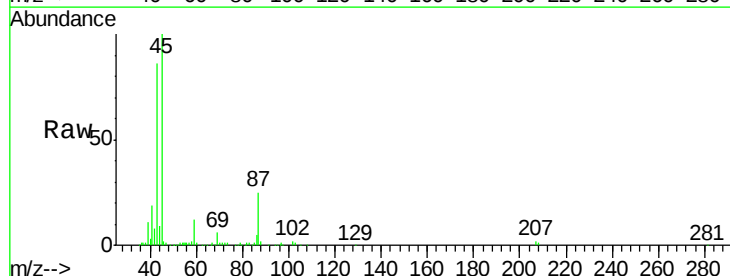
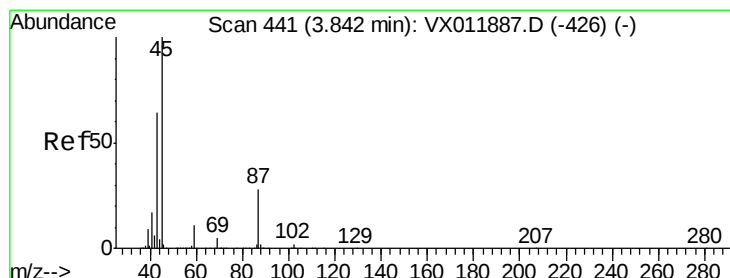
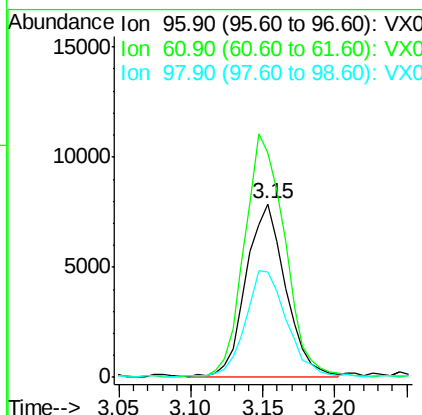
#21
trans-1,2-Dichloroethene
Concen: 5.023 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	107.4	161.2
98	59.8	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

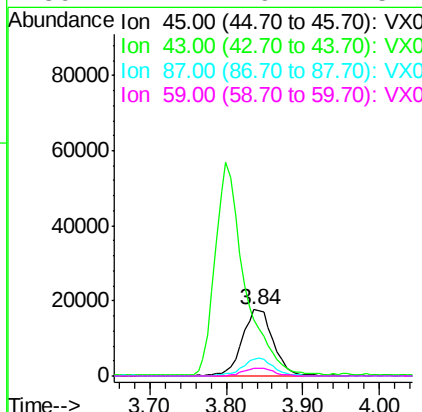
Manual Integrations
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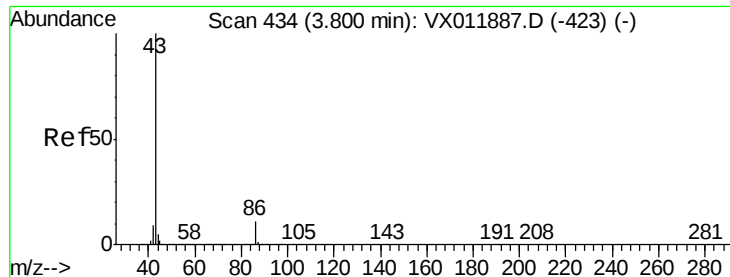
MMDadoda
9/3/2019 2:39:16 AM



#22
Diisopropyl ether
Concen: 5.121 ug/l
RT: 3.84 min Scan# 440
Delta R.T. -0.01 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	84.3	51.0	76.6#
87	25.6	22.0	33.0
59	12.2	9.1	13.7





#23

Vinyl Acetate

Concen: 36.318 ug/l

RT: 3.80 min Scan# 434

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 152066

Ion Ratio Lower Upper

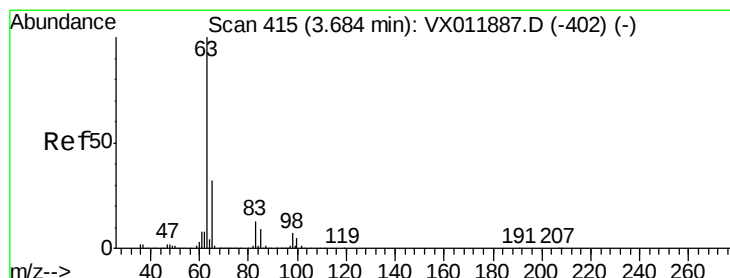
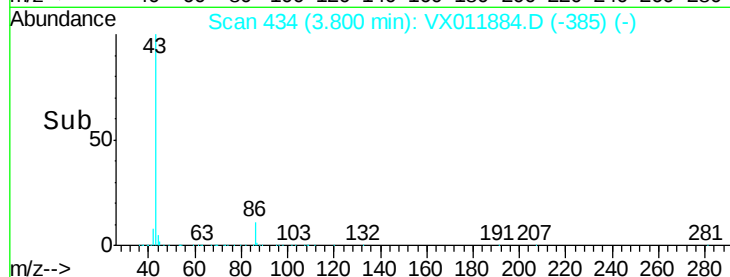
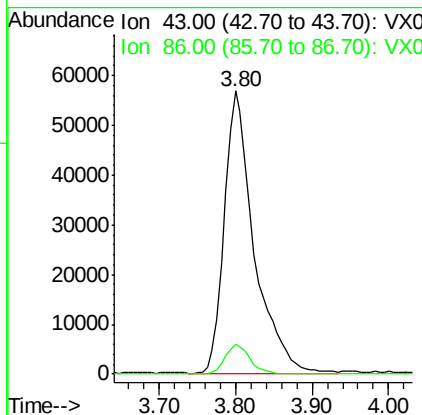
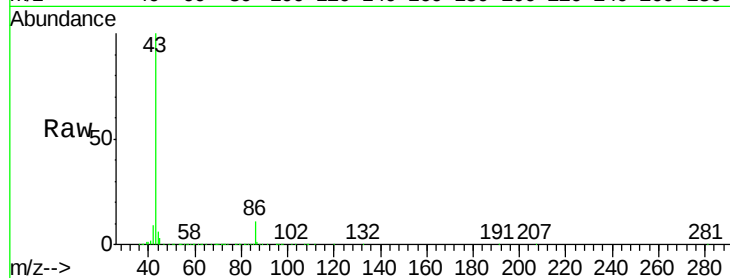
43 100

86 10.7 8.6 12.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 5.007 ug/l

RT: 3.68 min Scan# 415

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

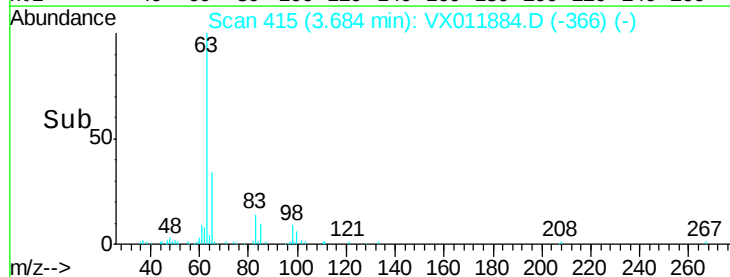
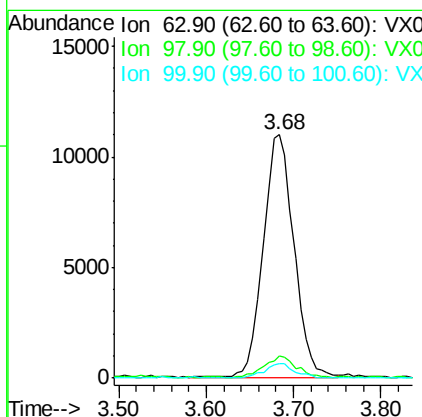
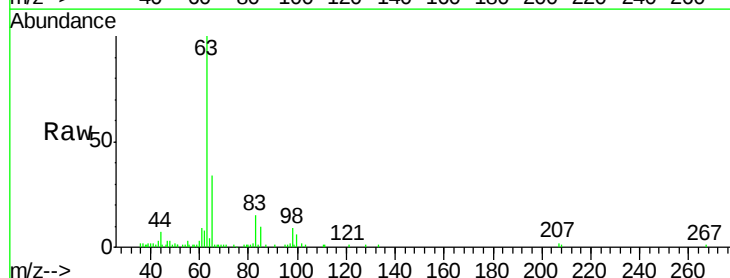
Tgt Ion: 63 Resp: 27161

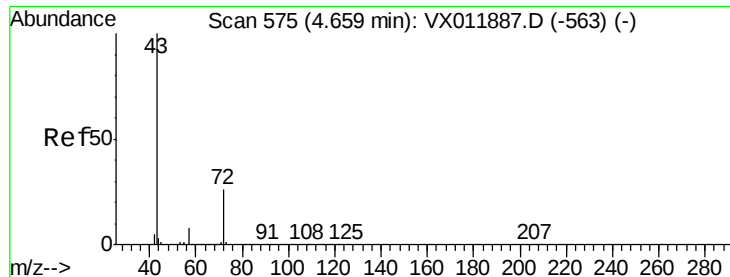
Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

100 6.0 2.4 7.2





#25

2-Butanone

Concen: 24.560 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25893

Ion Ratio Lower Upper

43 100

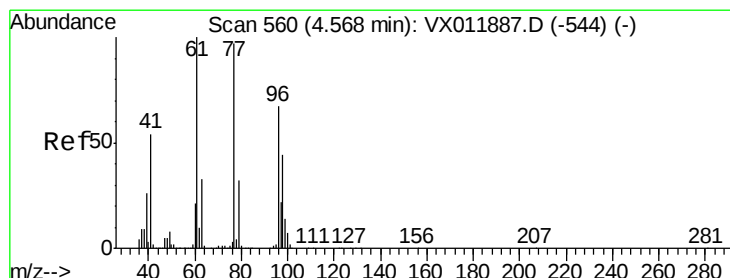
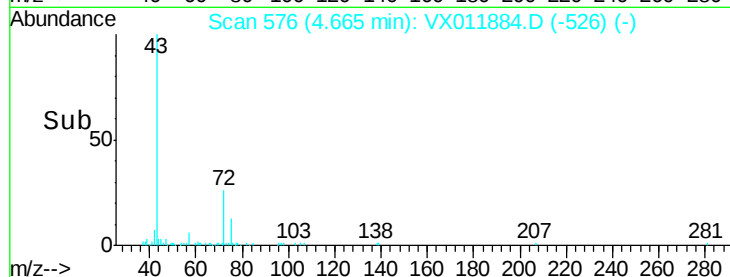
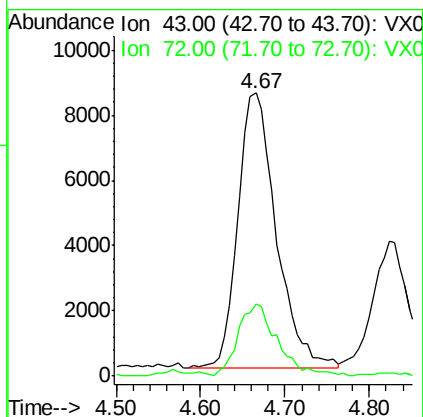
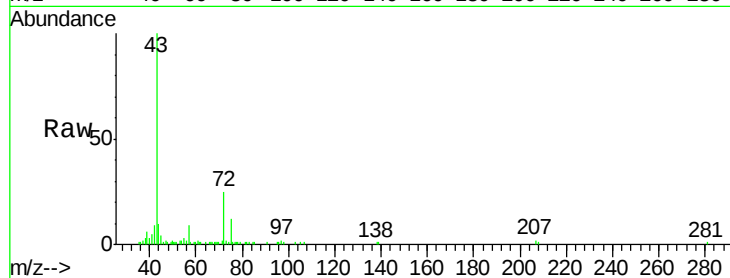
72 25.6 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 6.231 ug/l

RT: 4.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VX011884.D

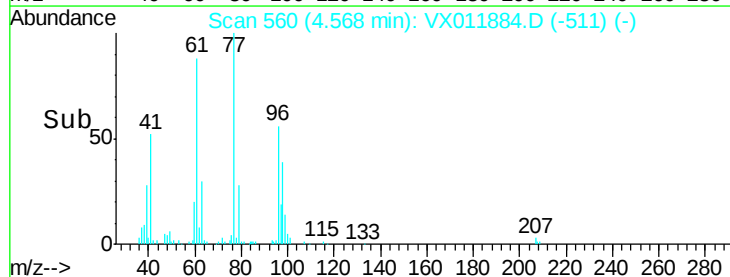
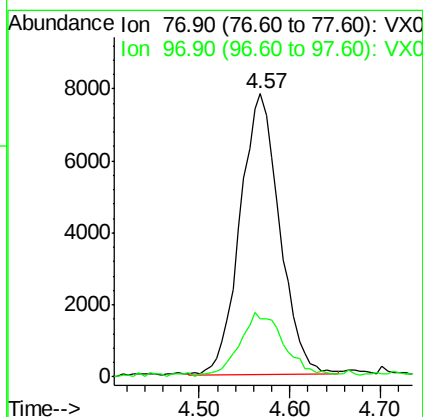
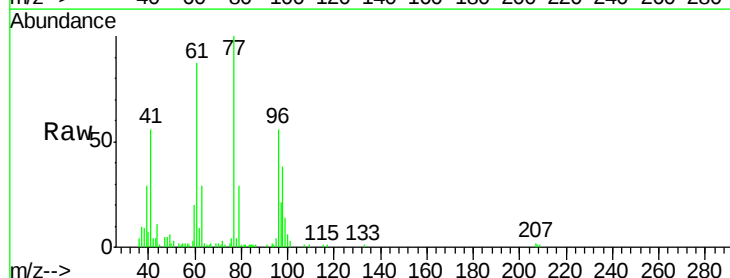
Acq: 29 Aug 2019 20:48

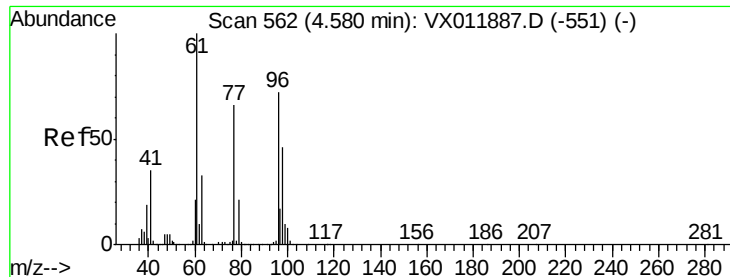
Tgt Ion: 77 Resp: 23687

Ion Ratio Lower Upper

77 100

97 25.7 11.7 35.1





#27

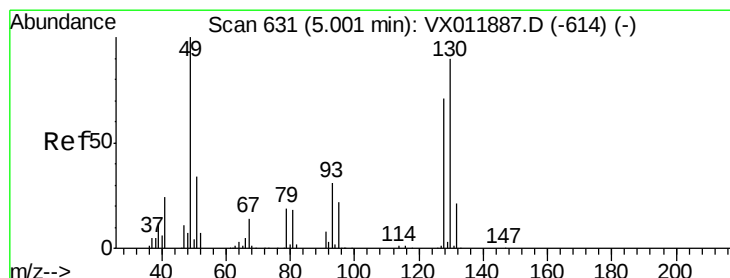
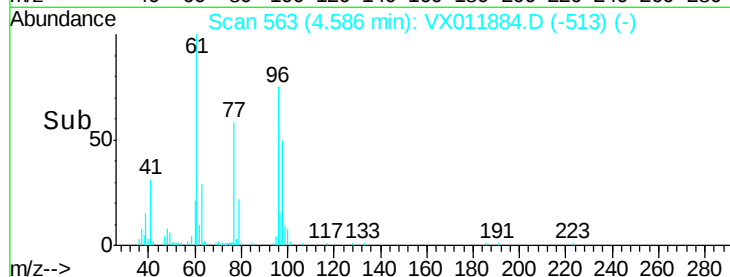
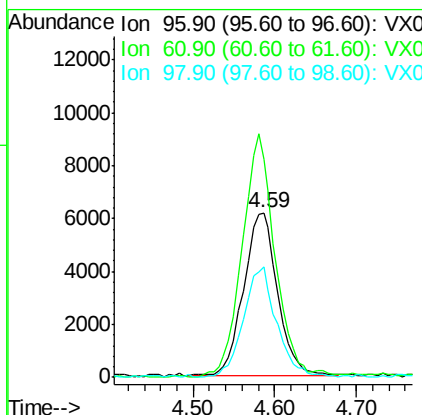
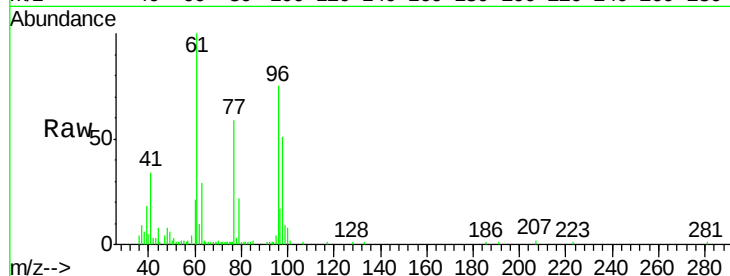
cis-1,2-Dichloroethene
Concen: 4.992 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.01 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	283.8
98	66.7	0.0	131.2

Manual Integrations
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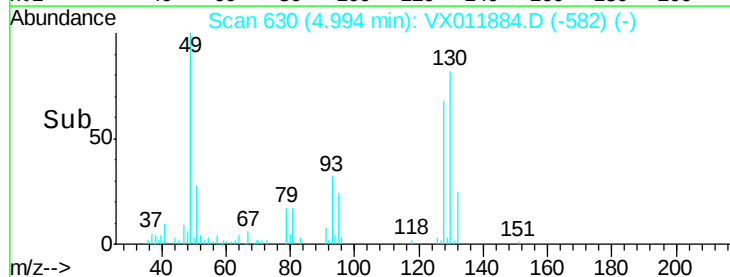
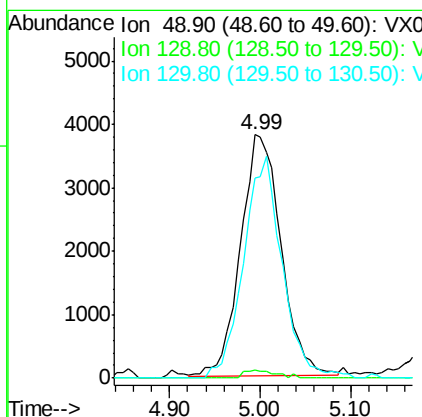
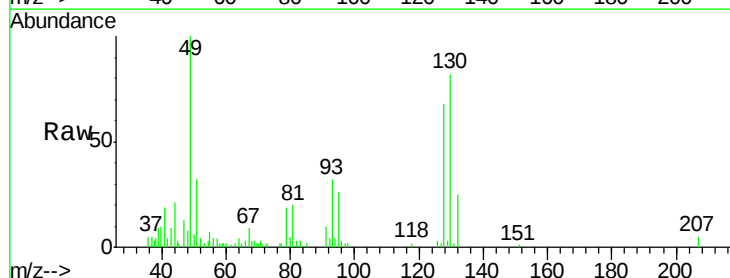
MMDadoda
9/3/2019 2:39:16 AM

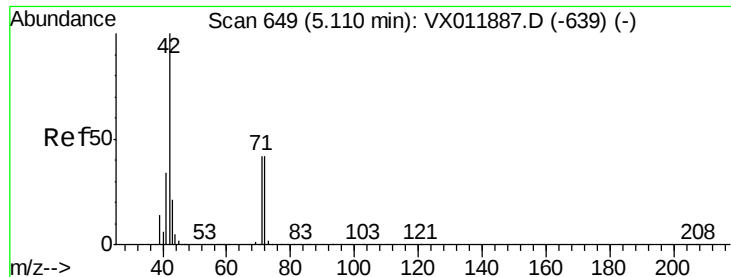


#28

Bromochloromethane
Concen: 4.844 ug/l
RT: 4.99 min Scan# 630
Delta R.T. -0.01 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	88.2	70.6	105.8





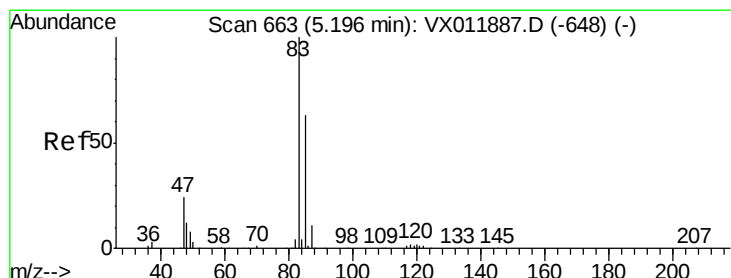
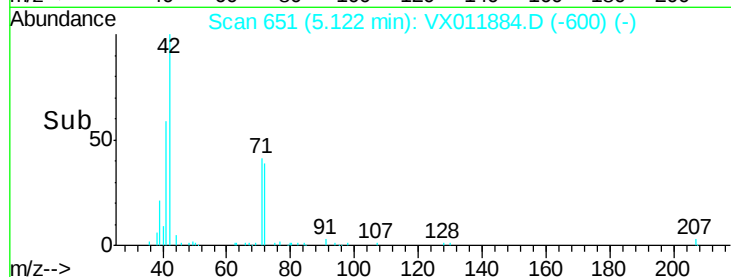
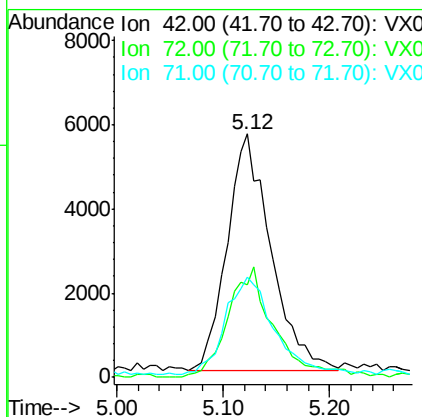
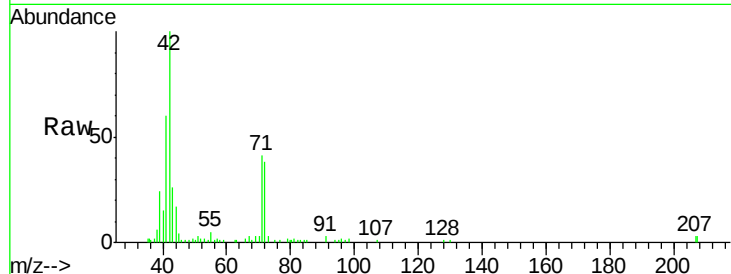
#29
Tetrahydrofuran
Concen: 24.556 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	36.2	54.4
71	46.9	33.1	49.7

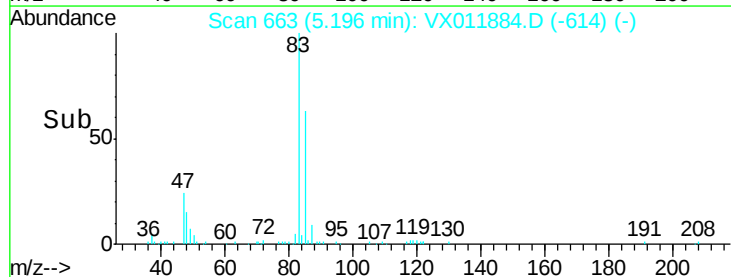
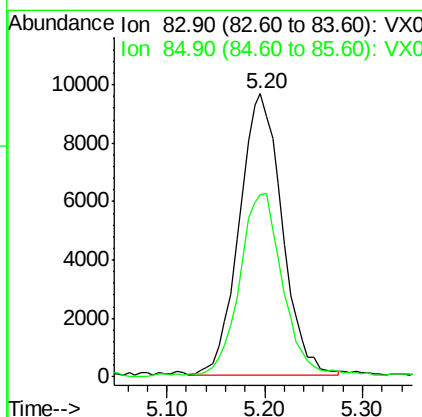
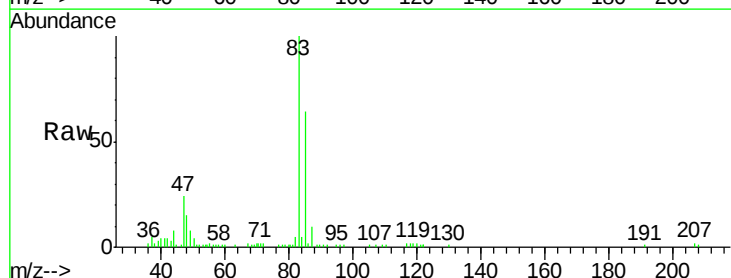
Manual Integrations
APPROVED

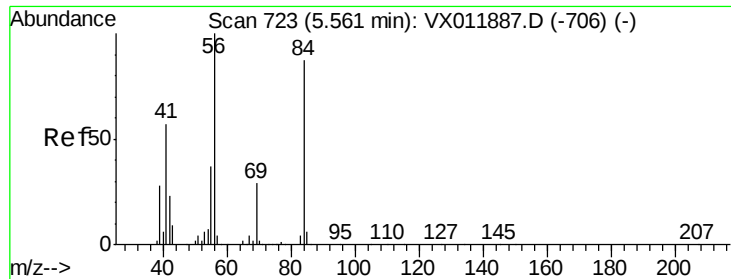
MMDadoda
9/3/2019 2:39:16 AM



#30
Chloroform
Concen: 4.983 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8





#31

Cyclohexane

Concen: 5.450 ug/l

RT: 5.56 min Scan# 723

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

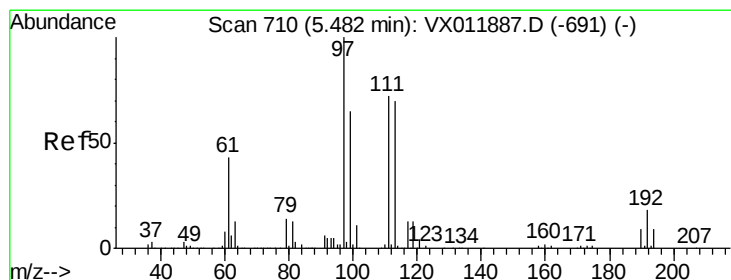
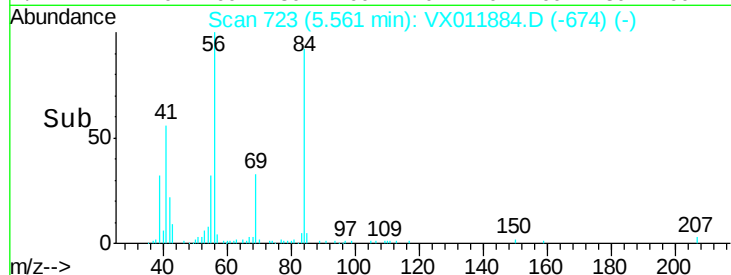
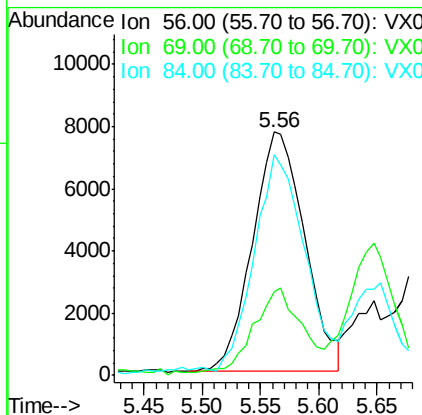
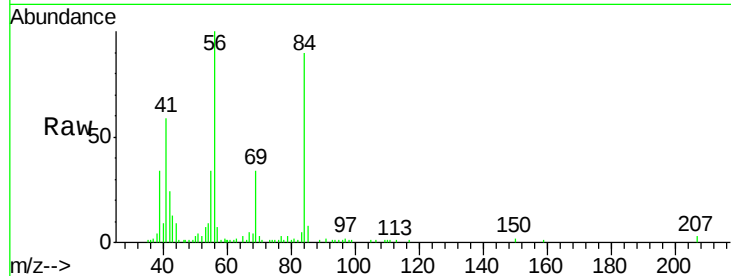
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	24080
Ion	Ratio	Lower	Upper
56	100		
69	33.2	23.1	34.7
84	89.3	69.6	104.4

Manual Integrations
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MMDadoda
9/3/2019 2:39:16 AM



#32

1,1,1-Trichloroethane

Concen: 5.411 ug/l

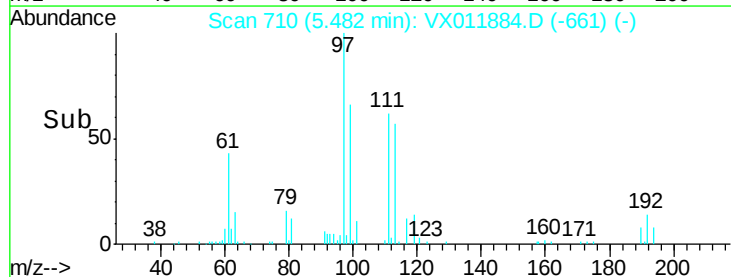
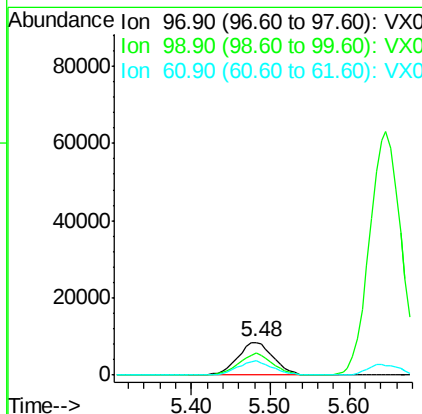
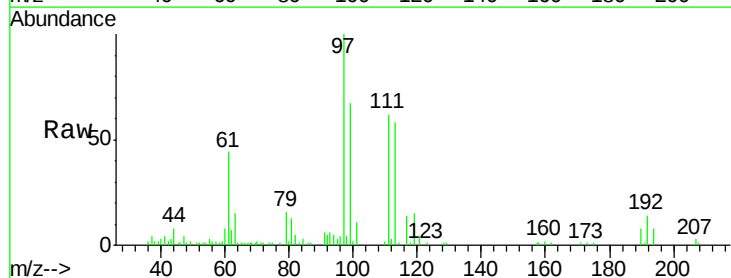
RT: 5.48 min Scan# 710

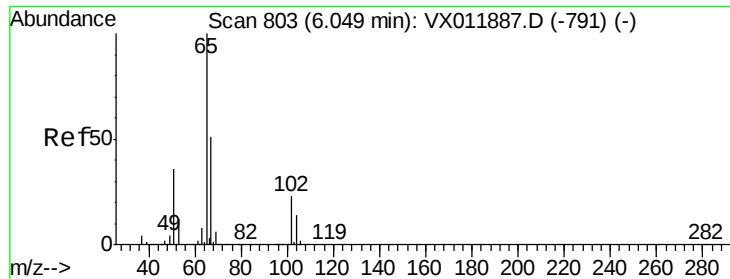
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	97	Resp:	26701
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.8	77.8
61	41.7	33.8	50.6





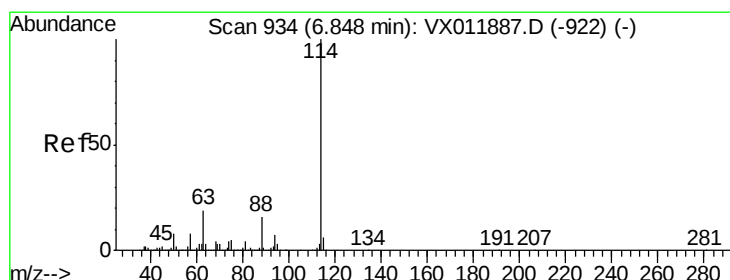
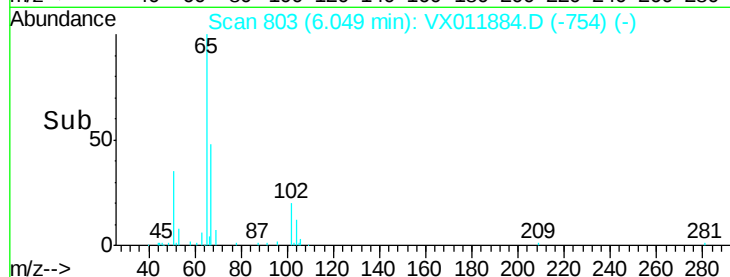
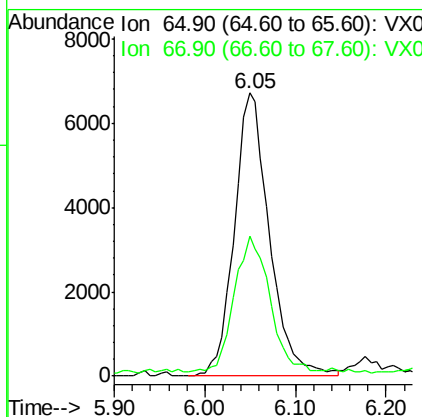
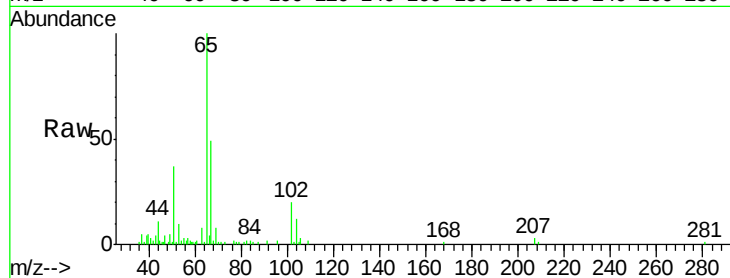
#33
 1,2-Dichloroethane-d4
 Concen: 5.312 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.7	0.0	102.2

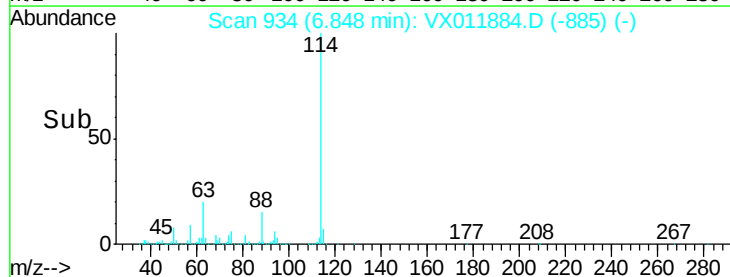
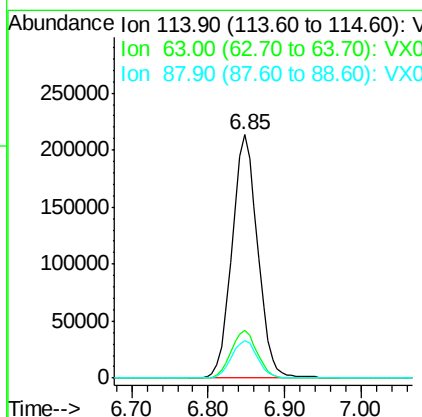
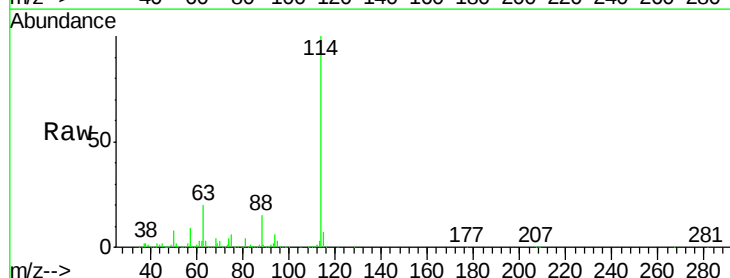
Manual Integrations
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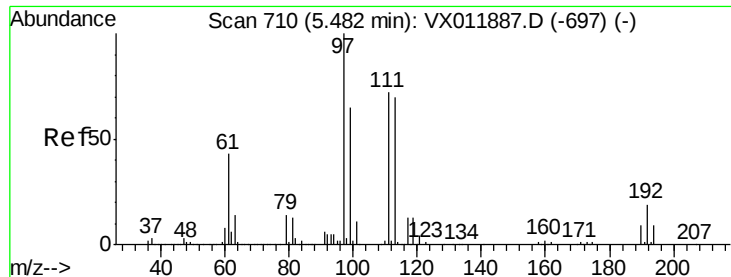
MMDadoda
 9/3/2019 2:39:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.8
88	15.2	0.0	31.2





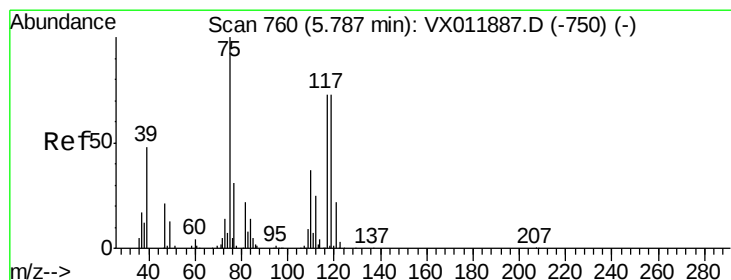
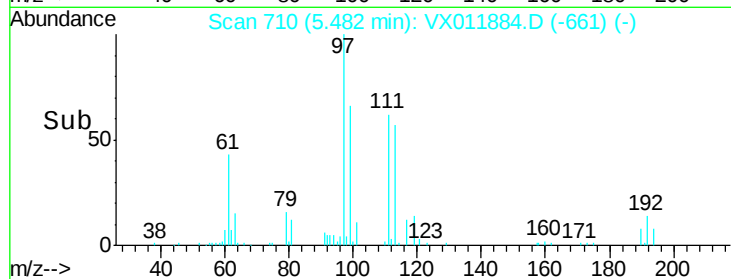
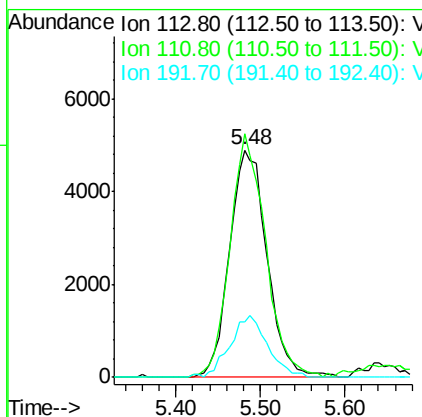
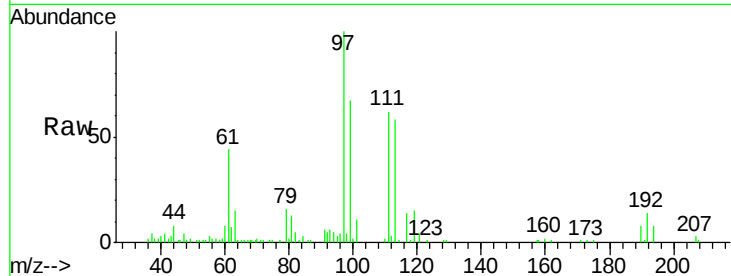
#35
 Dibromofluoromethane
 Concen: 4.782 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.1	123.1
192	27.3	21.5	32.3

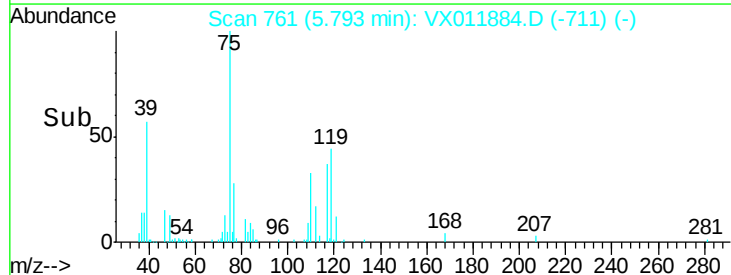
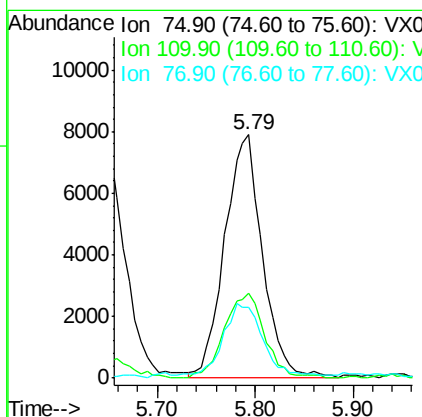
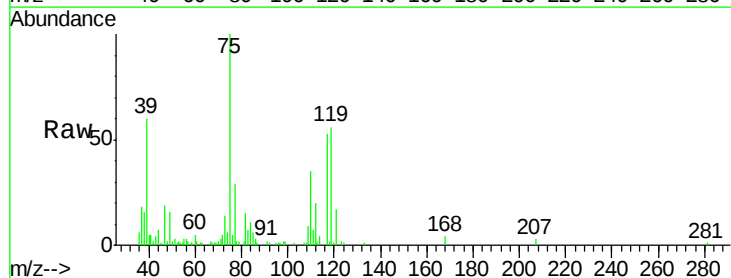
Manual Integrations
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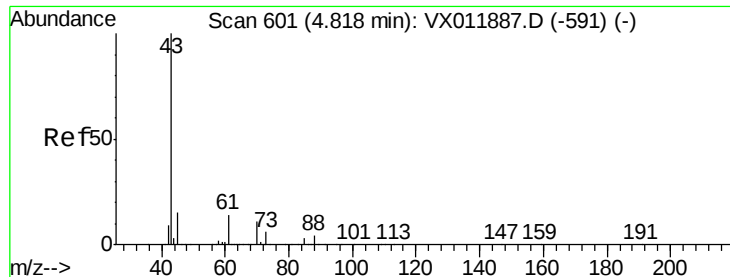
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#36
 1,1-Dichloropropene
 Concen: 5.414 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	19.1	57.3
77	30.1	24.4	36.6





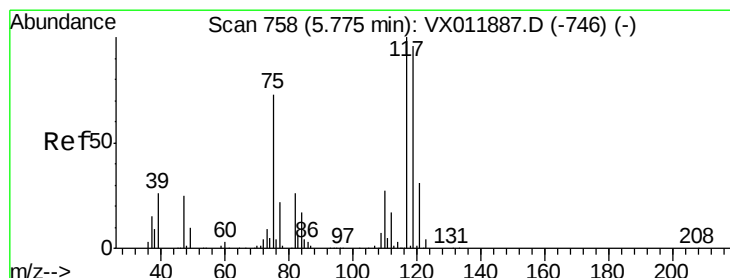
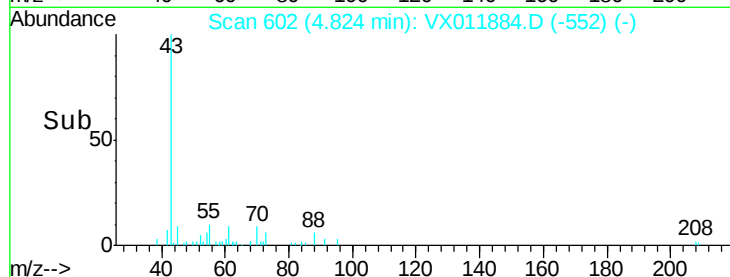
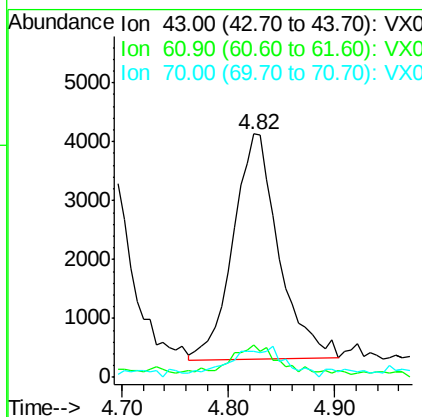
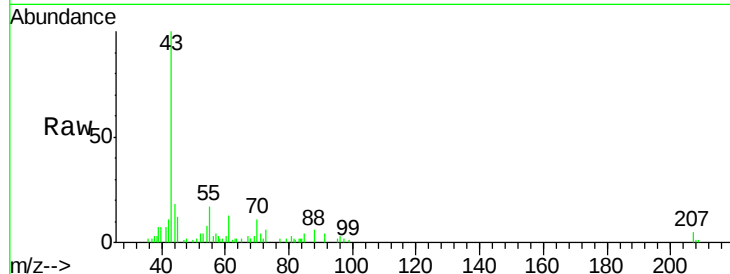
#37
Ethyl Acetate
Concen: 6.220 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.01 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.0	16.4
70	6.8	9.2	13.8

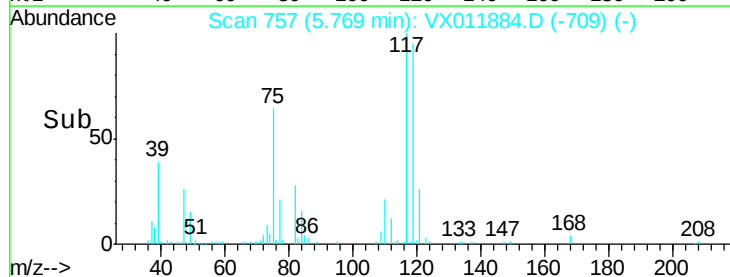
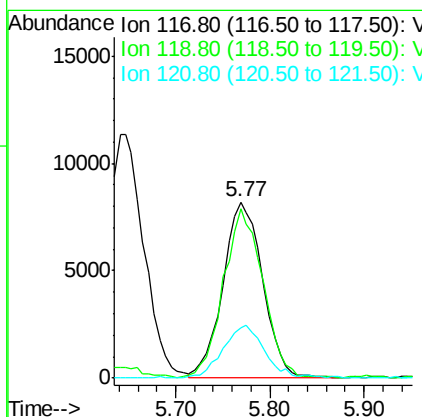
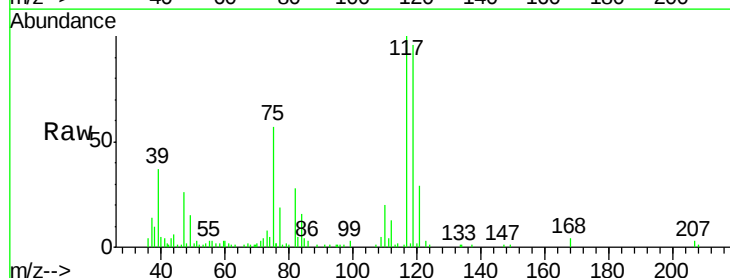
Manual Integrations
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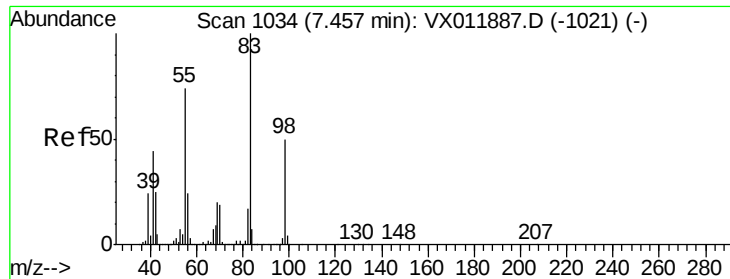
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#38
Carbon Tetrachloride
Concen: 6.312 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.6	114.8
121	28.2	24.7	37.1





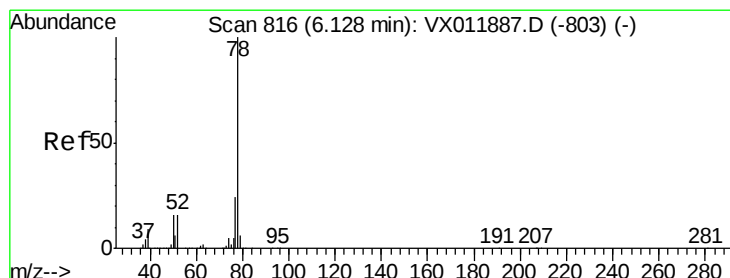
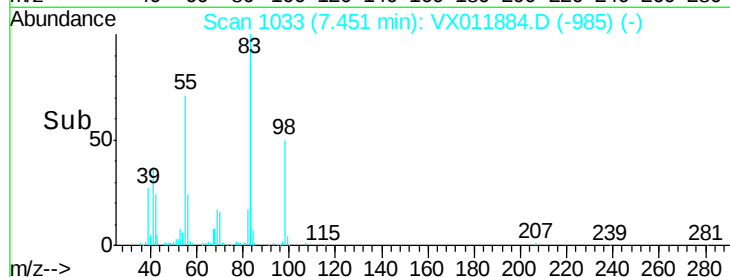
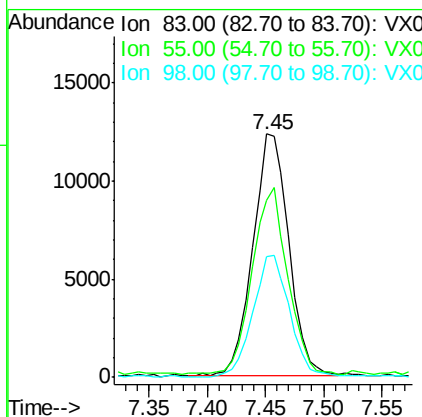
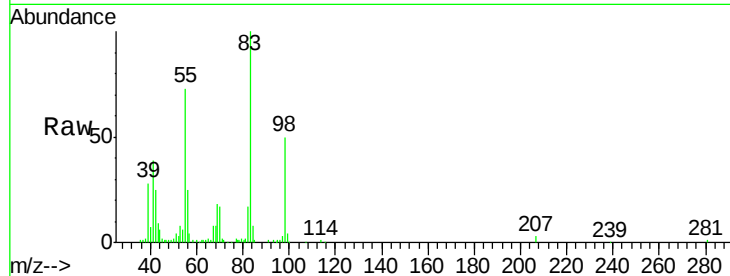
#39
Methvlcvclohexane
Concen: 5.677 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	26576
Ion	Ratio	Lower	Upper
83	100		
55	71.7	59.4	89.0
98	50.1	40.3	60.5

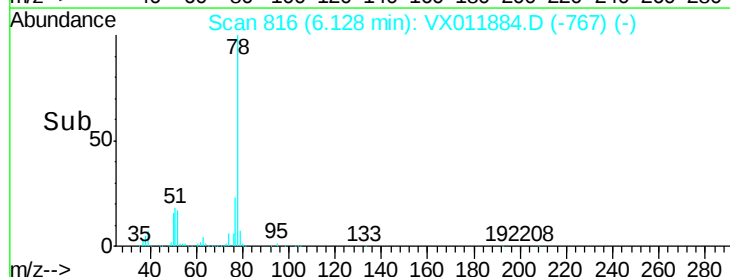
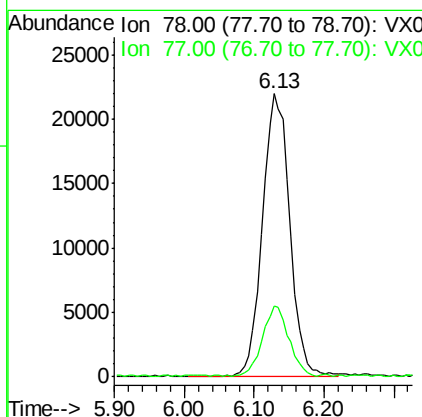
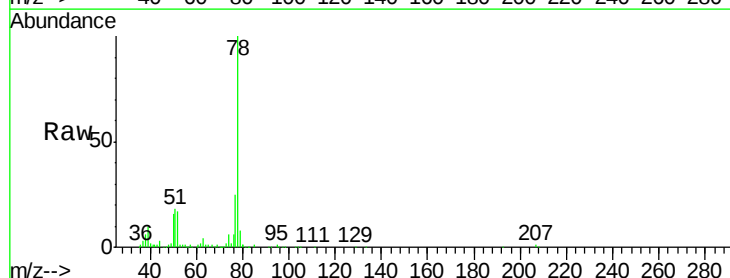
Manual Integrations
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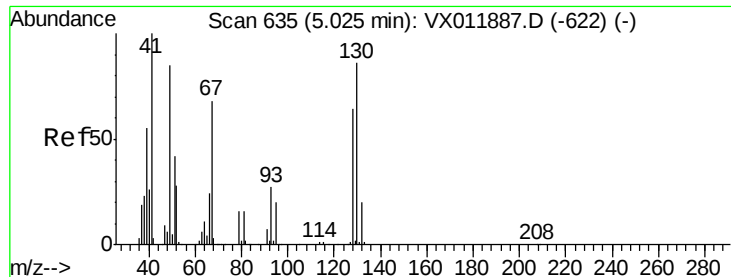
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#40
Benzene
Concen: 5.141 ug/l
RT: 6.13 min Scan# 816
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	78	Resp	60153
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.6





#41

Methacrylonitrile

Concen: 5.121 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

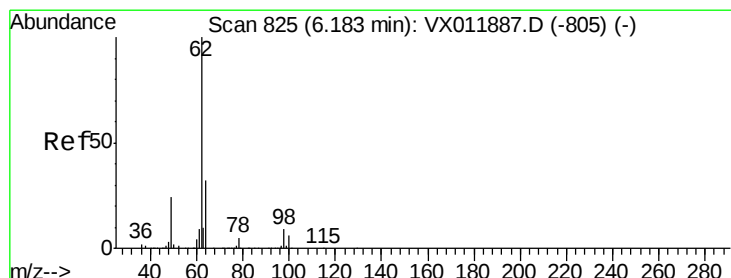
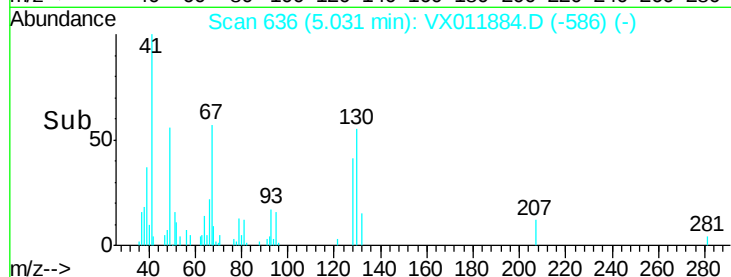
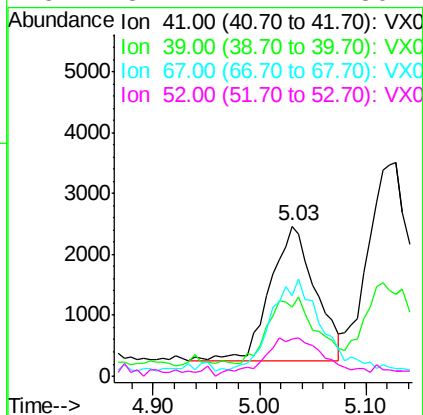
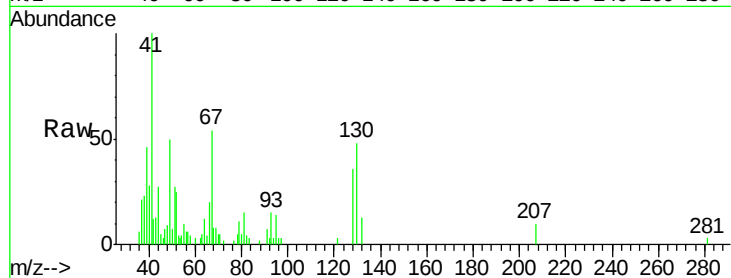
ClientSampled :

VSTDIC005

Tot Ion:	41	Resp:	6435
Ion	Ratio	Lower	Upper
41	100		
39	54.7	45.0	67.6
67	78.8	55.0	82.4
52	34.2	24.1	36.1

Manual Integrations
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MMDadoda
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#42

1,2-Dichloroethane

Concen: 5.120 ug/l

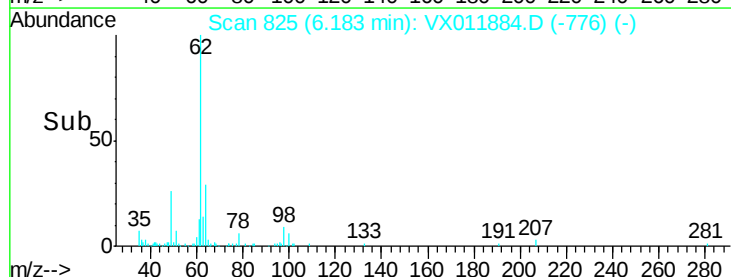
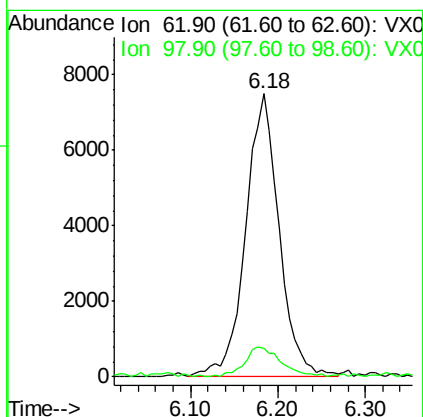
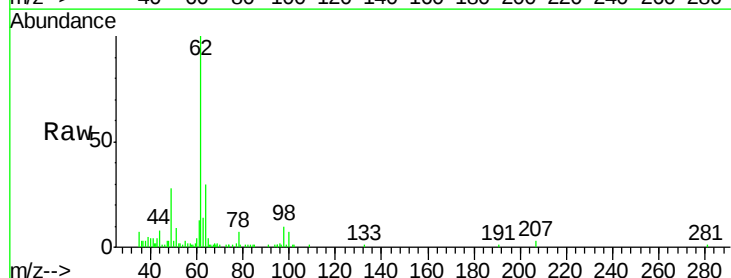
RT: 6.18 min Scan# 825

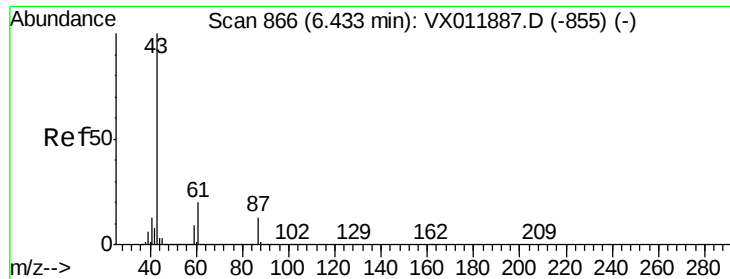
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	62	Resp:	19990
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	19.2





#43

Isopropyl Acetate

Concen: 6.178 ug/l

RT: 6.43 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

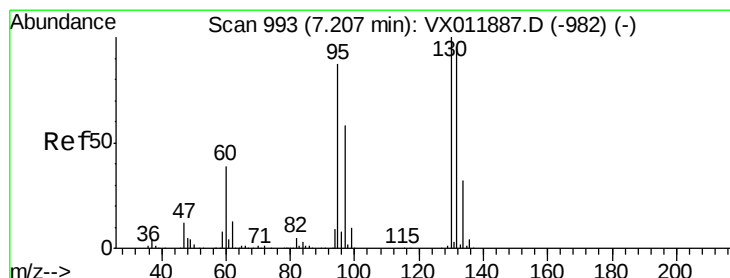
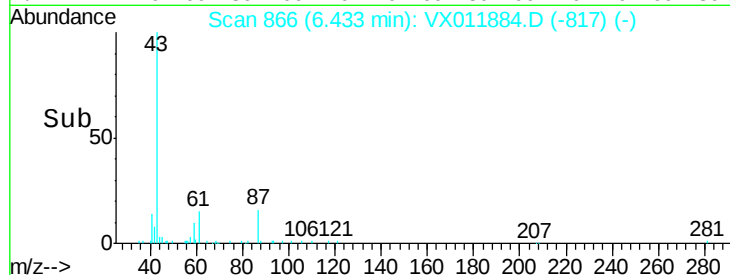
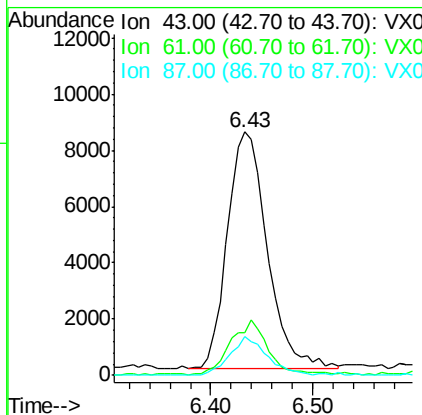
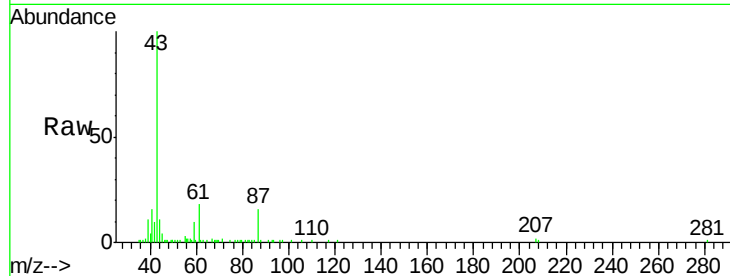
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	22715
Ion	Ratio	Lower	Upper
43	100		
61	22.8	16.1	24.1
87	15.1	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 4.708 ug/l

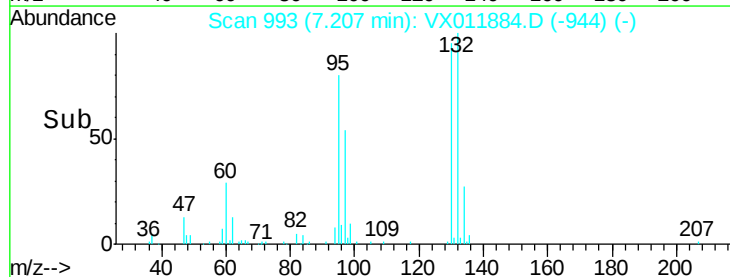
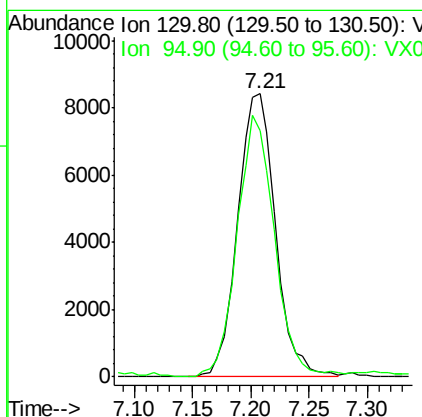
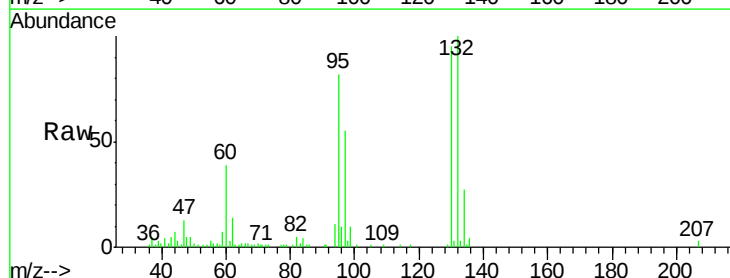
RT: 7.21 min Scan# 993

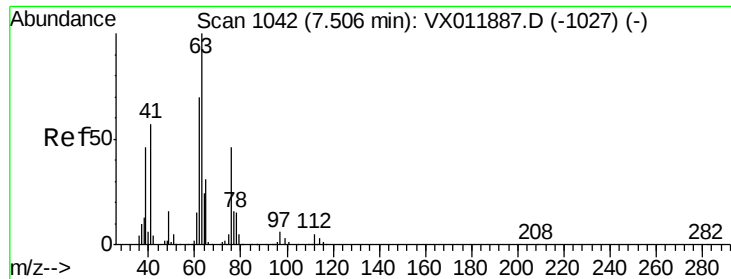
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	130	Resp:	19021
Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	174.6





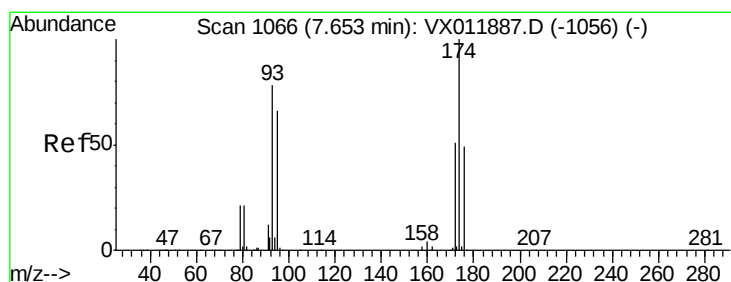
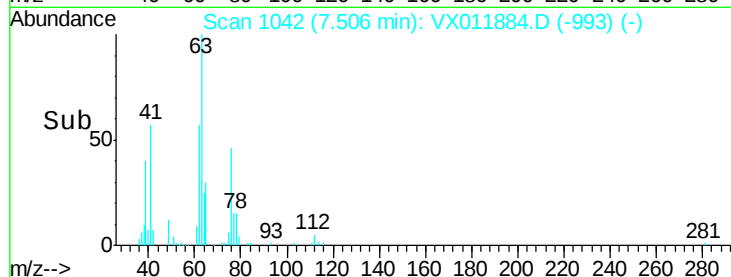
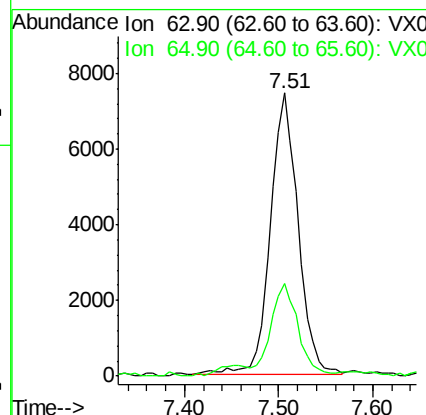
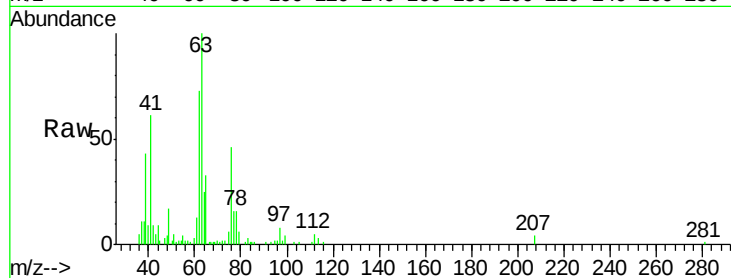
#45
 1,2-Dichloropropane
 Concen: 5.115 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.1	37.7

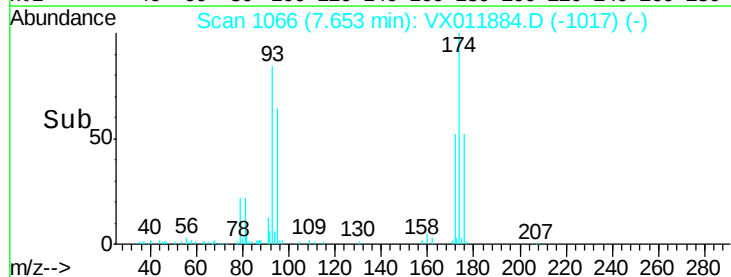
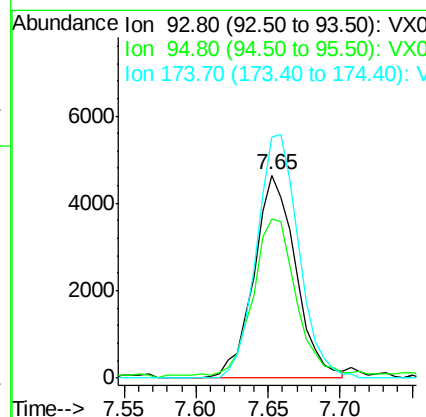
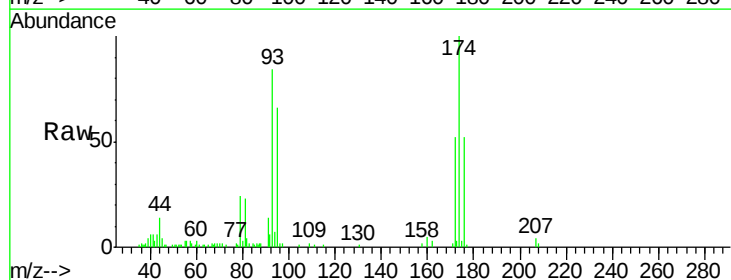
Manual Integrations
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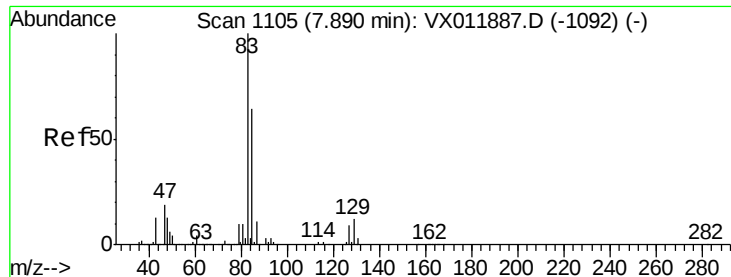
MMDadoda
 9/3/2019 2:39:16 AM



#46
 Dibromomethane
 Concen: 5.207 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.2	65.7	98.5
174	121.2	104.2	156.4





#47

Bromodichloromethane

Concen: 5.499 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

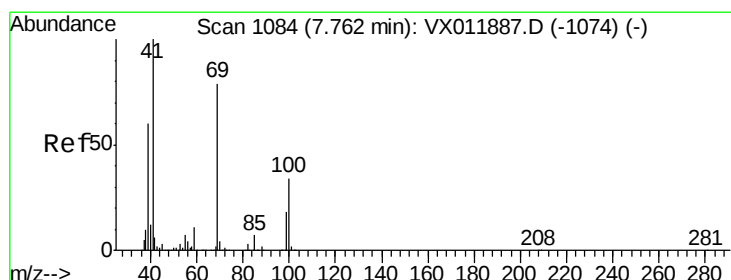
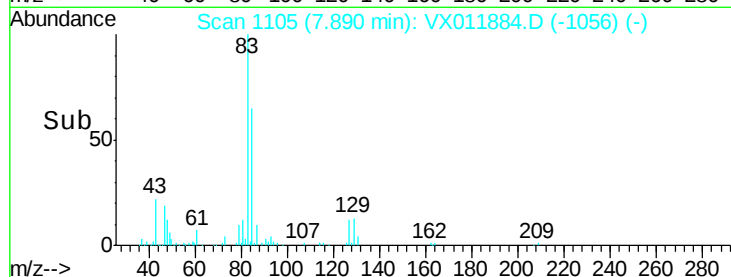
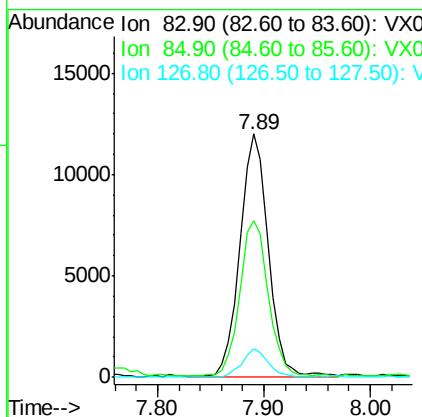
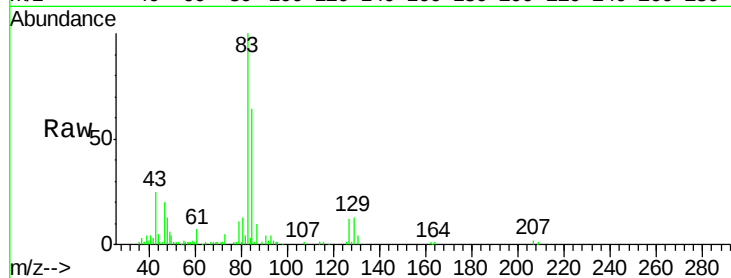
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	22713
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7
127	11.5	7.4	11.2#

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:16 AM



#48

Methyl methacrylate

Concen: 6.155 ug/l

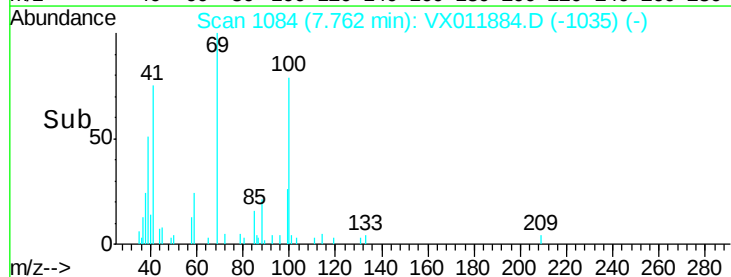
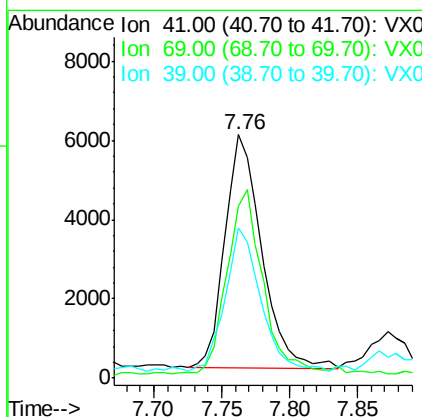
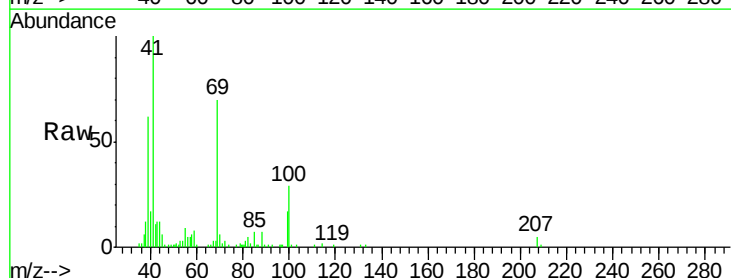
RT: 7.76 min Scan# 1084

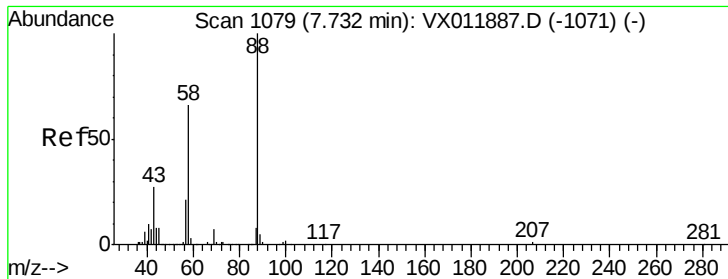
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	41	Resp:	11133
Ion	Ratio	Lower	Upper
41	100		
69	75.8	64.4	96.6
39	59.4	47.2	70.8





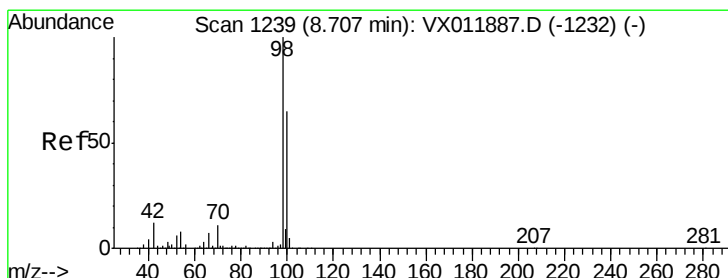
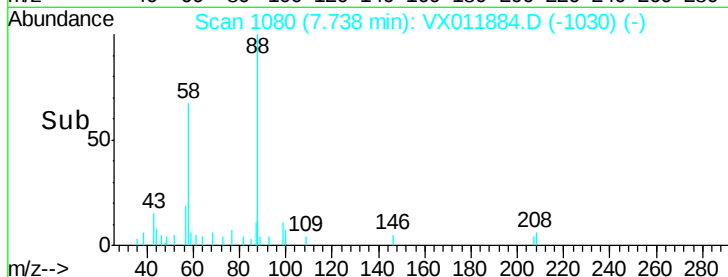
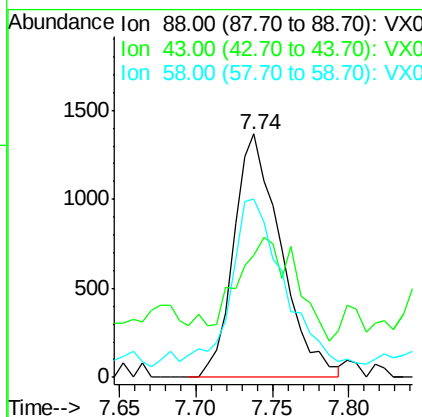
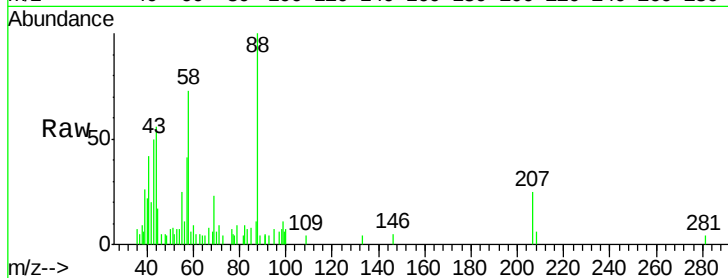
#49
1,4-Dioxane
Concen: 111.597 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	53.0	27.3	40.9#
58	74.9	53.9	80.9

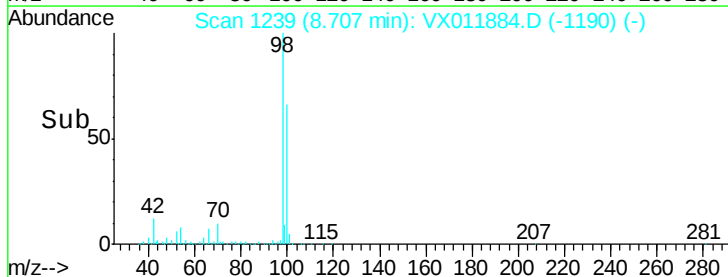
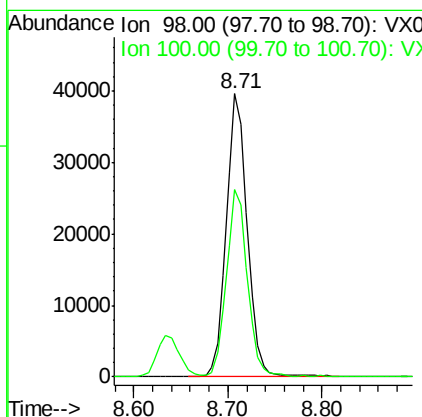
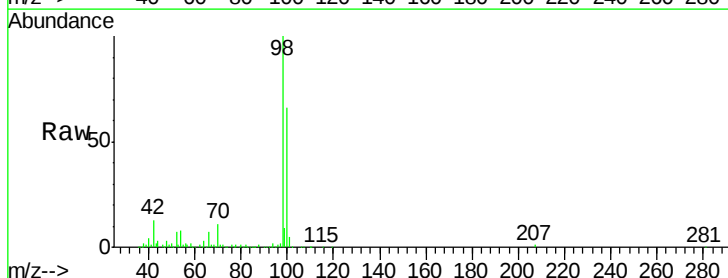
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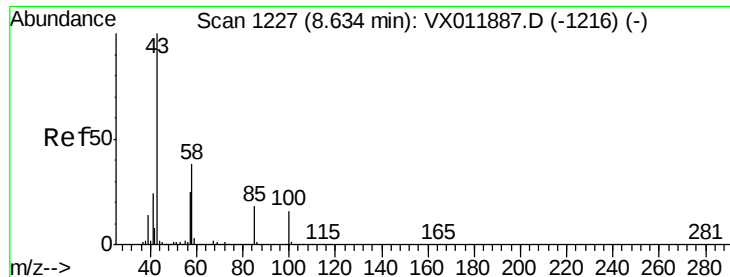
MMDadoda
9/3/2019 2:39:16 AM



#50
Toluene-d8
Concen: 5.465 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 30.136 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 58974

Ion Ratio Lower Upper

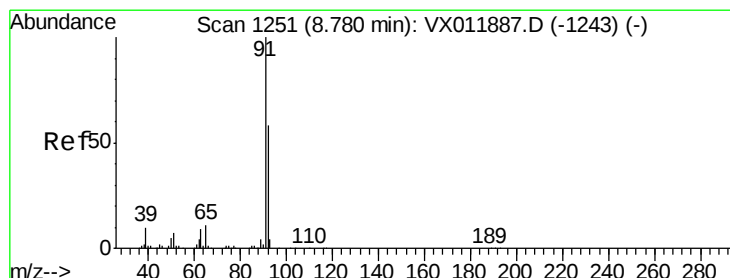
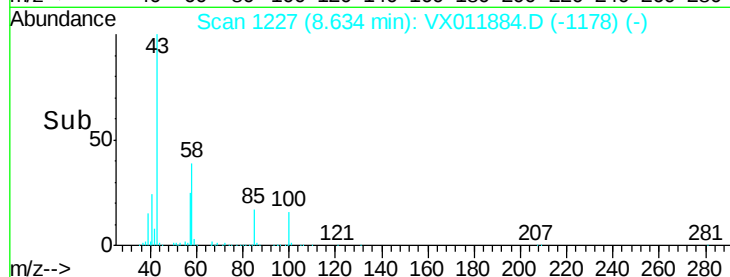
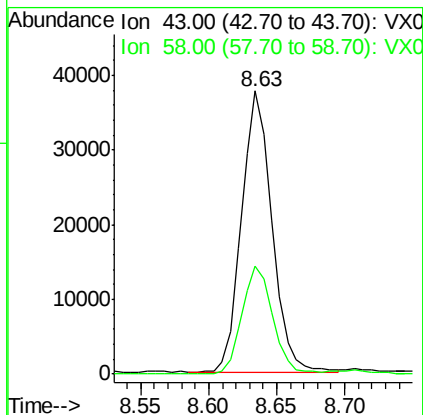
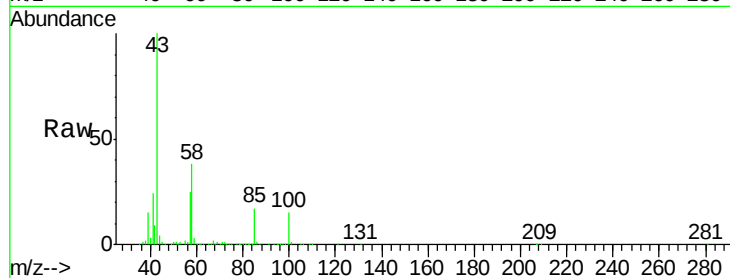
43 100

58 38.5 30.9 46.3

Manual Integrations
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#52

Toluene

Concen: 5.242 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011884.D

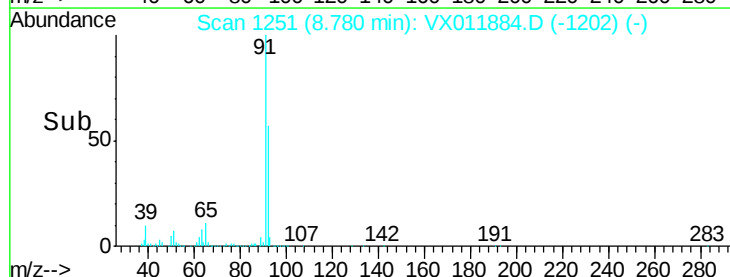
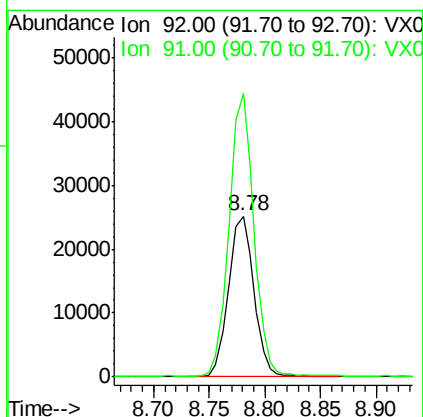
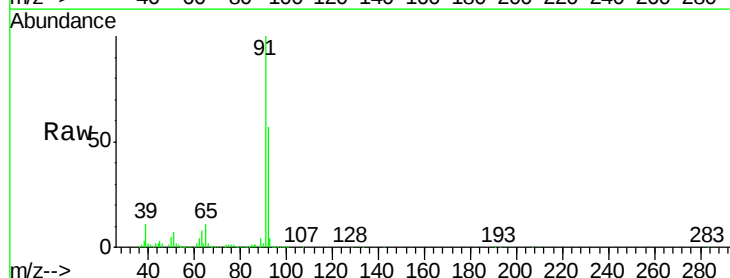
Acq: 29 Aug 2019 20:48

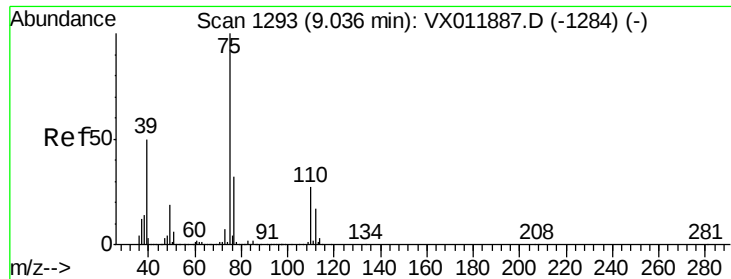
Tgt Ion: 92 Resp: 40203

Ion Ratio Lower Upper

92 100

91 169.4 136.8 205.2





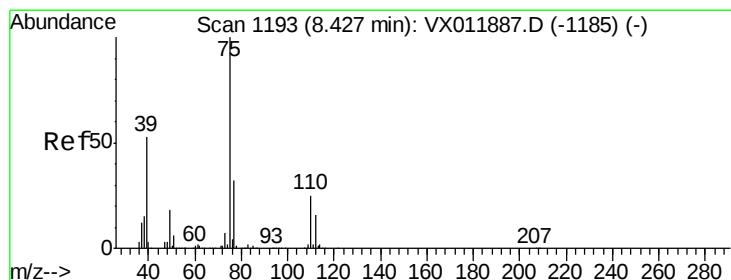
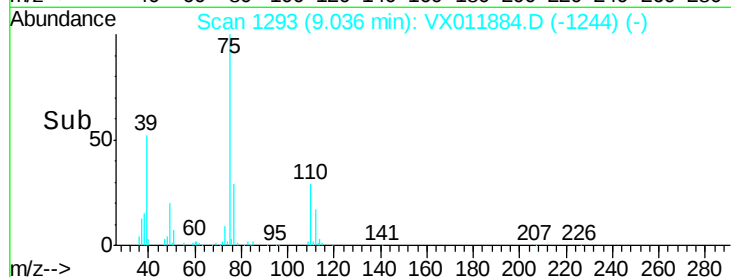
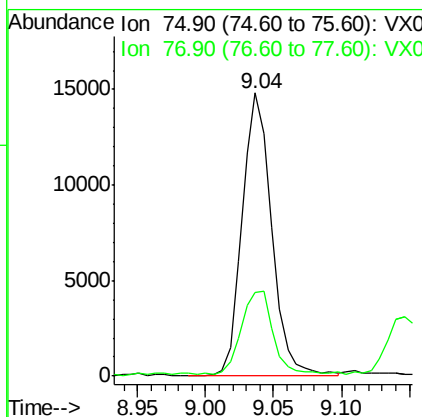
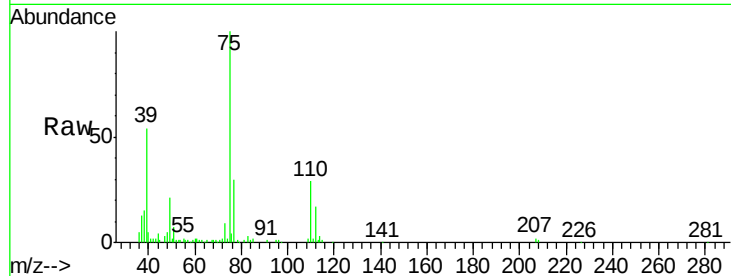
#53
t-1,3-Dichloropropene
Concen: 7.010 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.6	38.4

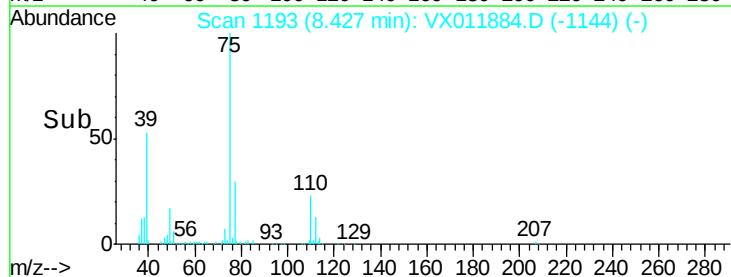
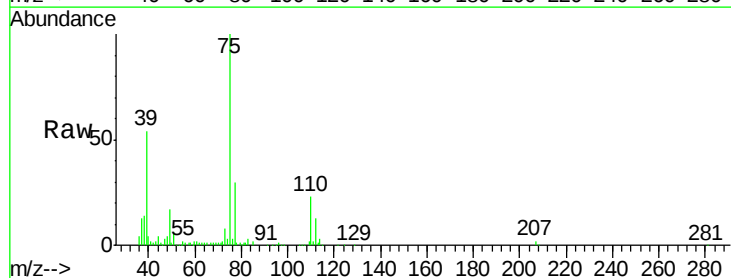
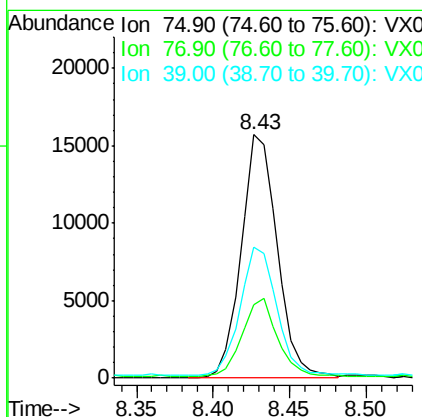
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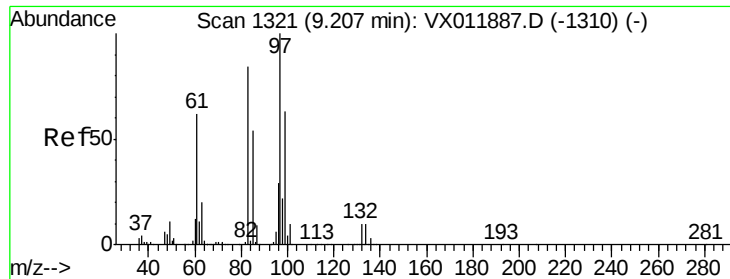
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 6.241 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.5	38.3
39	52.4	42.6	64.0





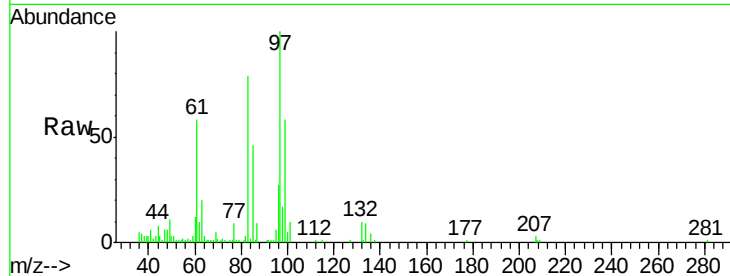
#55
 1,1,2-Trichloroethane
 Concen: 5.722 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

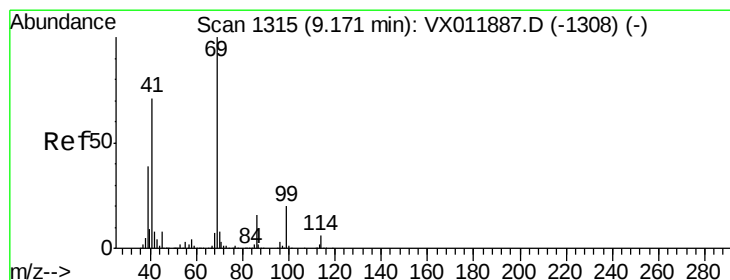
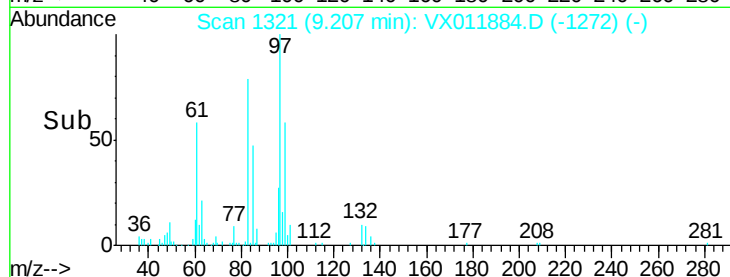
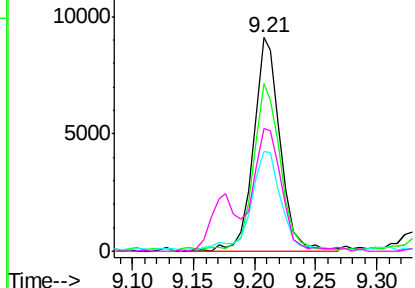
Tot Ion:	97	Resp:	13855
Ion	Ratio	Lower	Upper
97	100		
83	77.9	66.8	100.2
85	45.4	43.5	65.3
99	57.7	50.6	75.8

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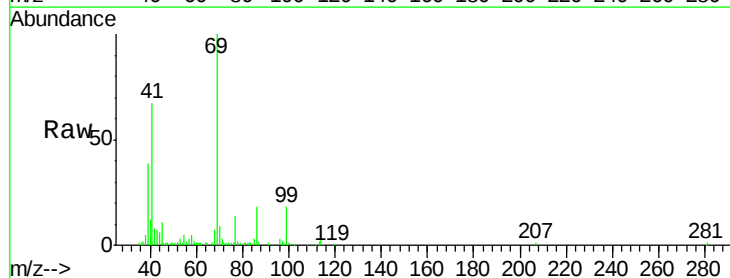


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

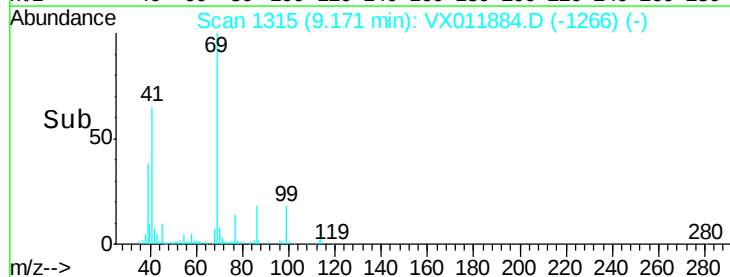
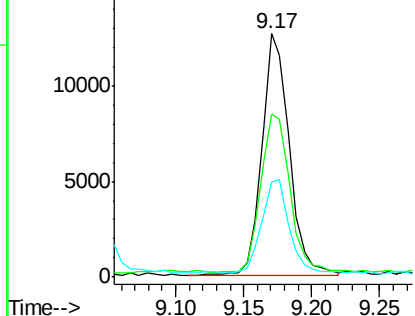


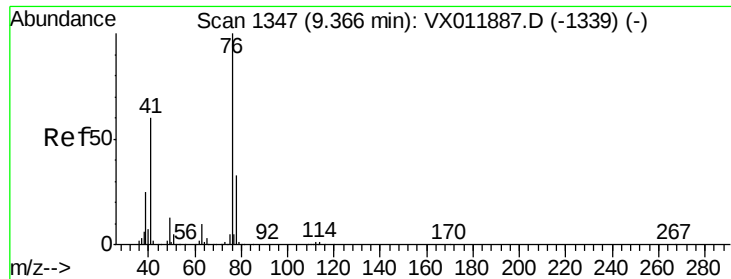
#56
 Ethyl methacrylate
 Concen: 7.156 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Tgt Ion:	69	Resp:	17989
Ion	Ratio	Lower	Upper
69	100		
41	70.5	55.8	83.8
39	39.1	31.1	46.7



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 5.680 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 22203

Ion Ratio Lower Upper

76 100

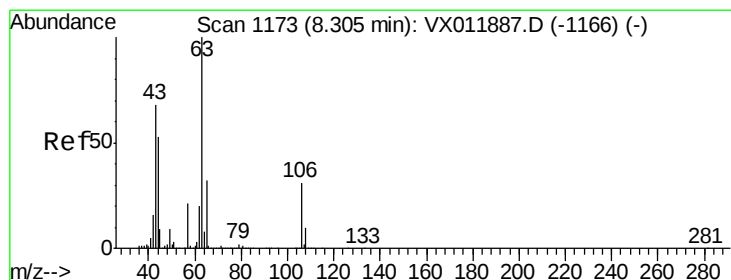
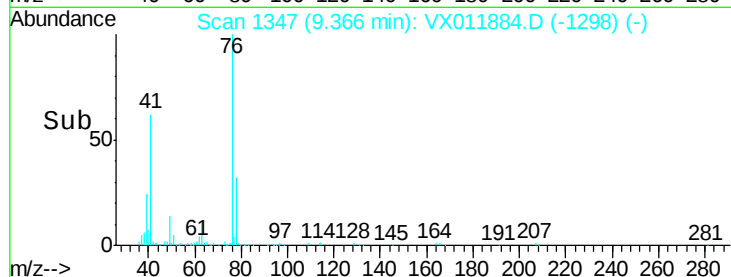
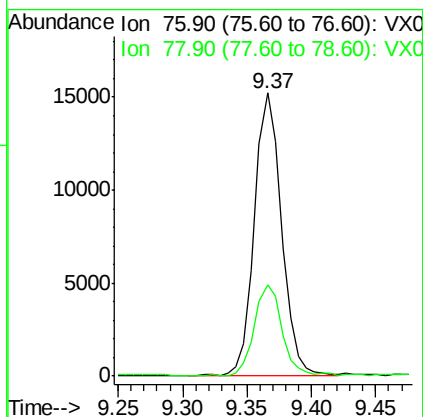
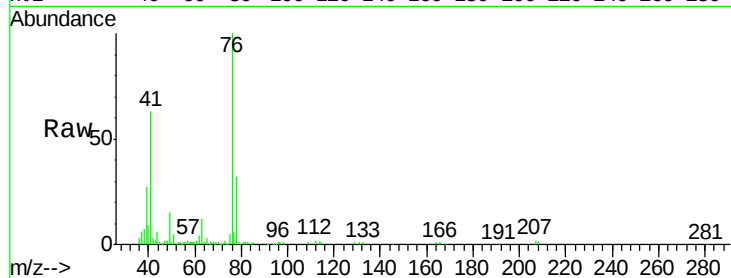
78 33.6 26.4 39.6

Manual Integrations

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9/3/2019 2:39:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 53.217 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011884.D

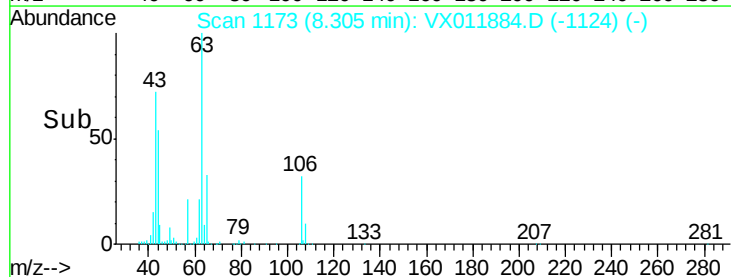
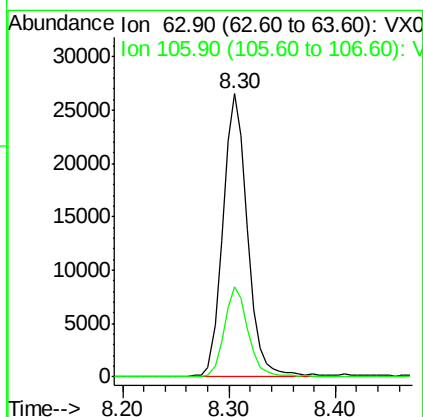
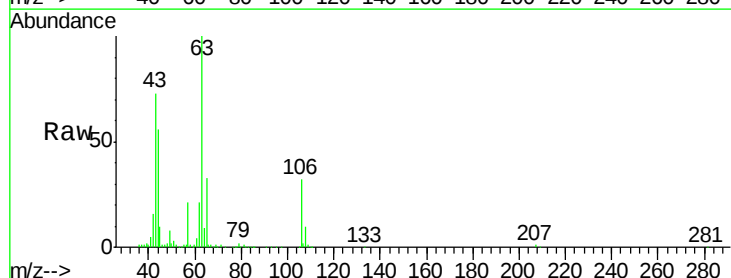
Acq: 29 Aug 2019 20:48

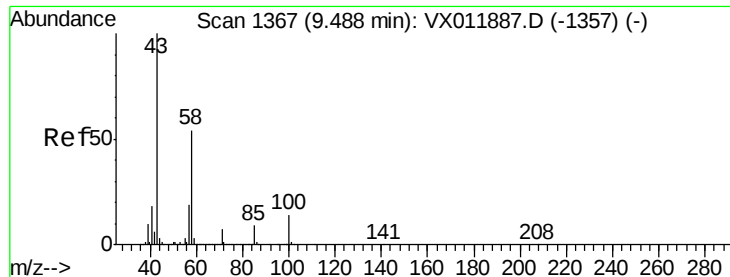
Tgt Ion: 63 Resp: 43002

Ion Ratio Lower Upper

63 100

106 31.0 24.8 37.2





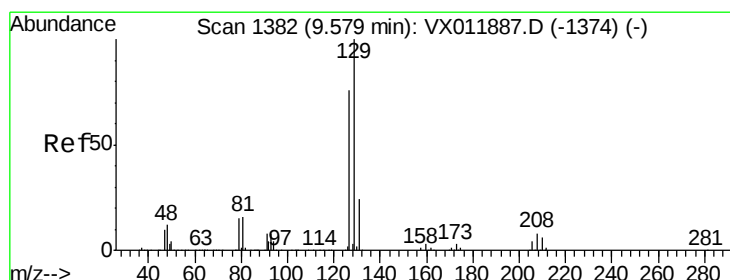
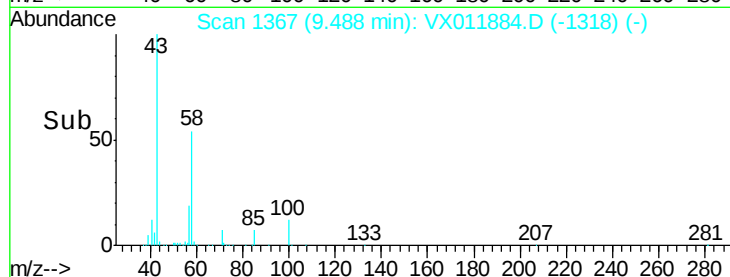
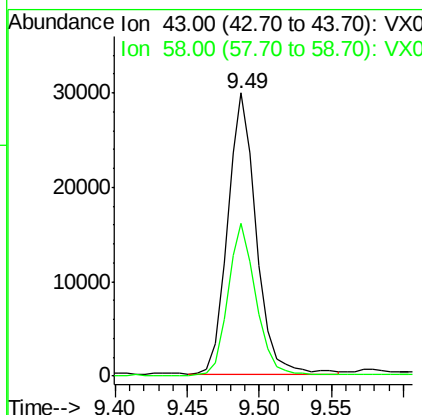
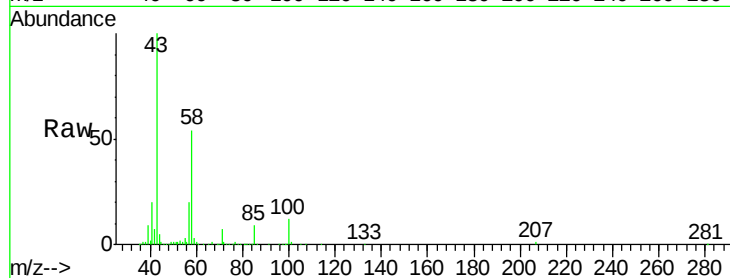
#59
2-Hexanone
Concen: 32.193 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	26.8	80.4

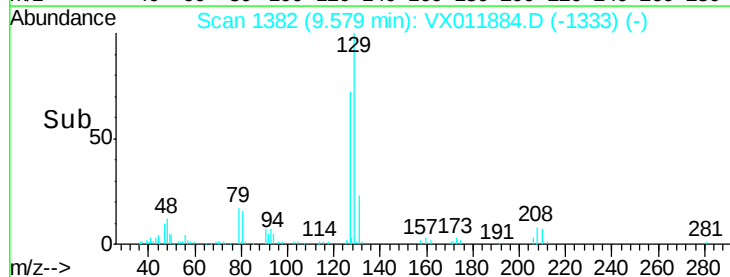
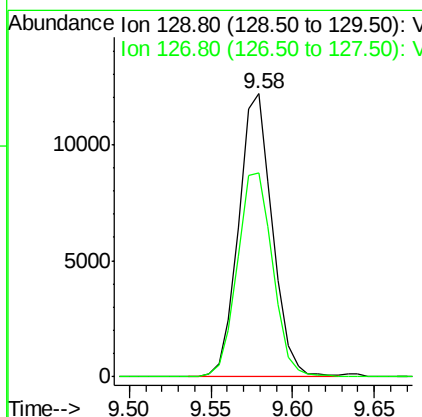
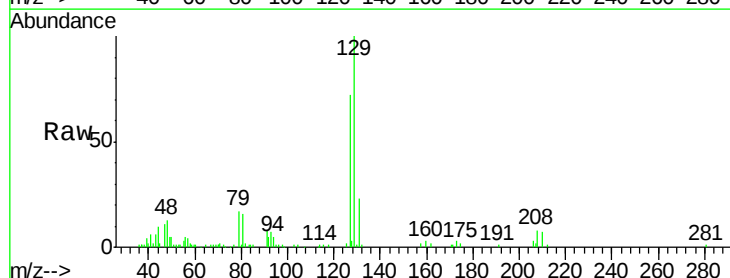
Manual Integrations
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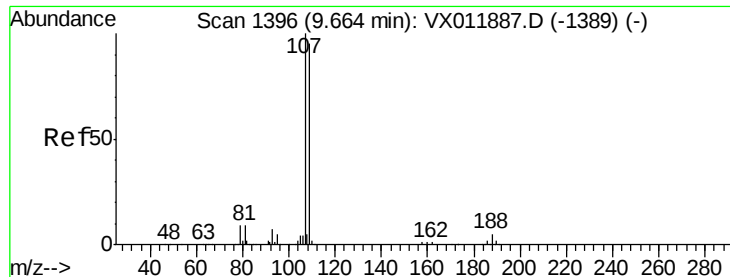
MMDadoda
9/3/2019 2:39:16 AM



#60
Dibromochloromethane
Concen: 5.633 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.6	115.7





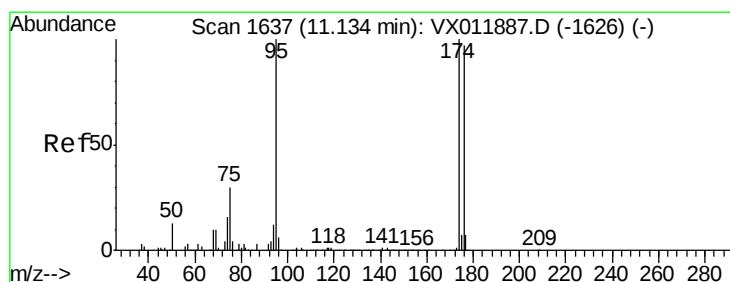
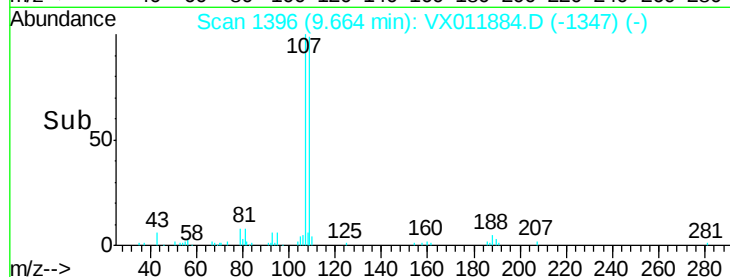
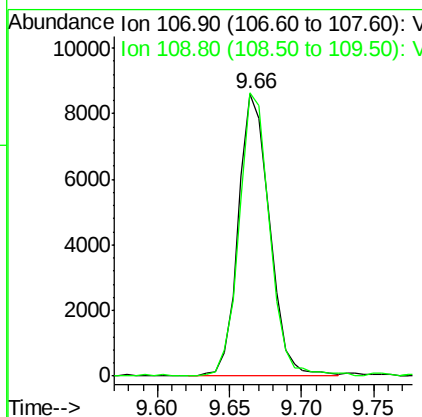
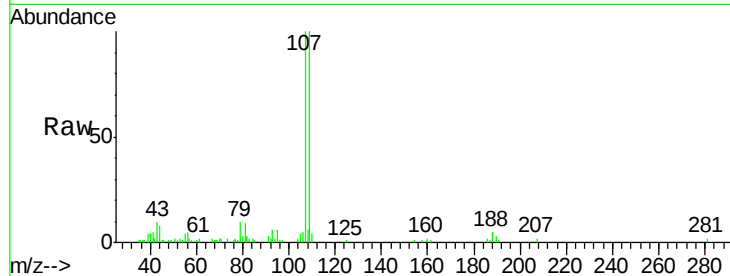
#61
 1,2-Dibromoethane
 Concen: 5.716 ug/l
 RT: 9.66 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.0	75.3	112.9

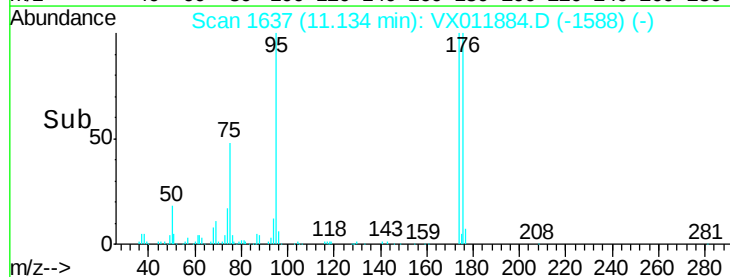
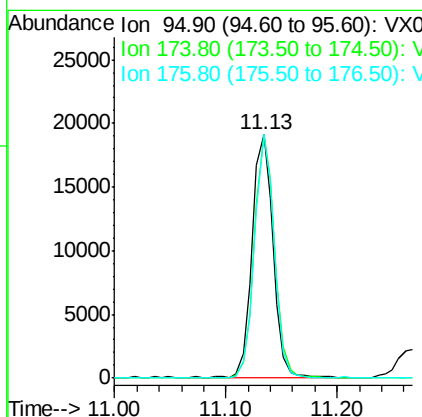
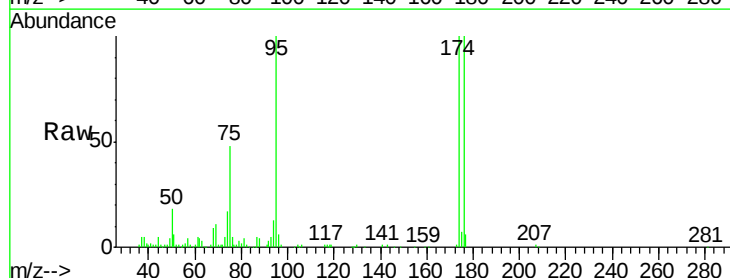
Manual Integrations
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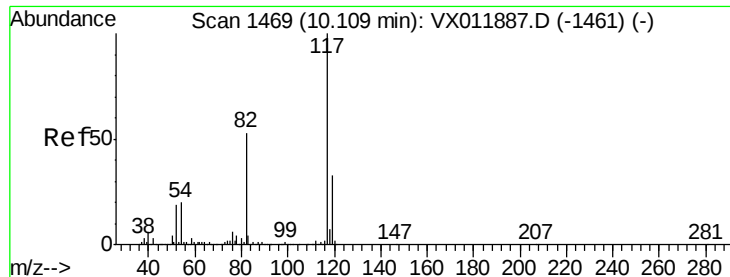
MMDadoda
 9/3/2019 2:39:16 AM



#62
 4-Bromofluorobenzene
 Concen: 5.098 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	196.0
176	93.8	0.0	191.4





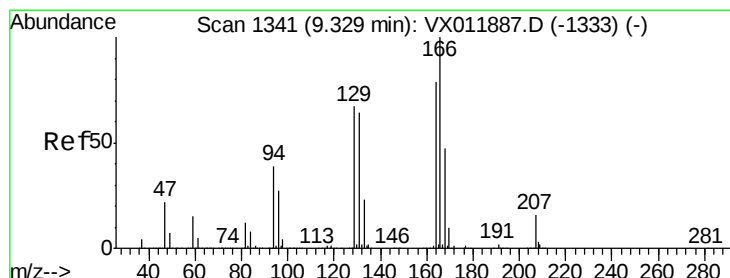
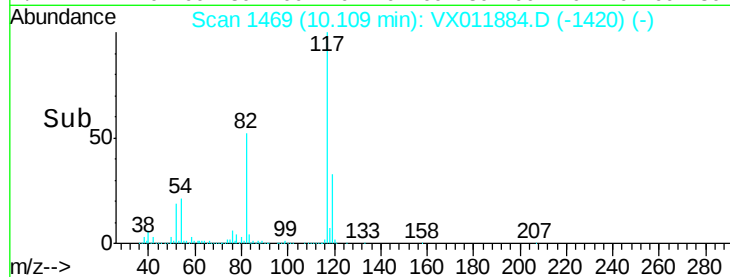
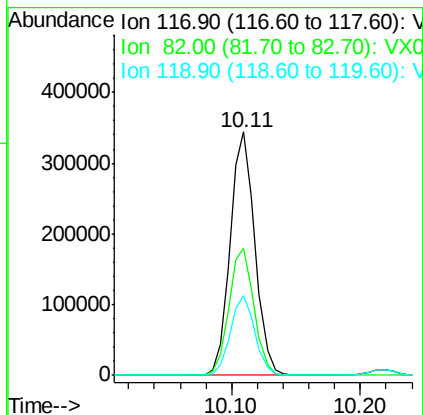
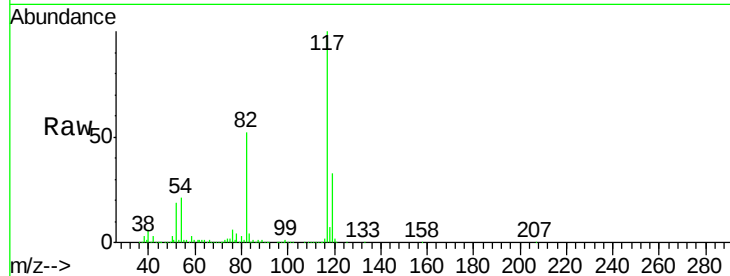
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	460781		
82	52.1	42.0	63.0	
119	32.7	26.2	39.4	

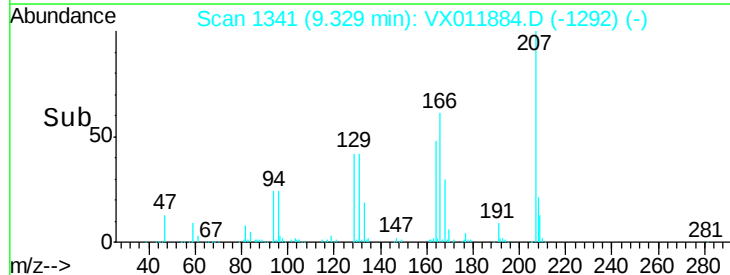
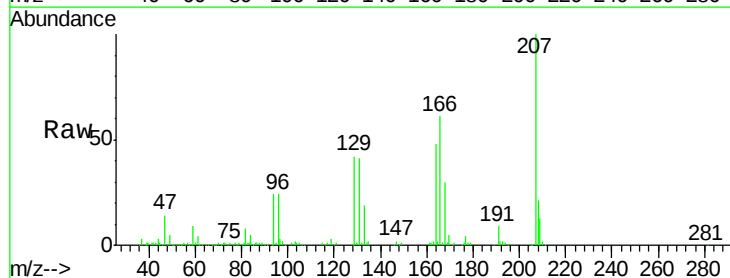
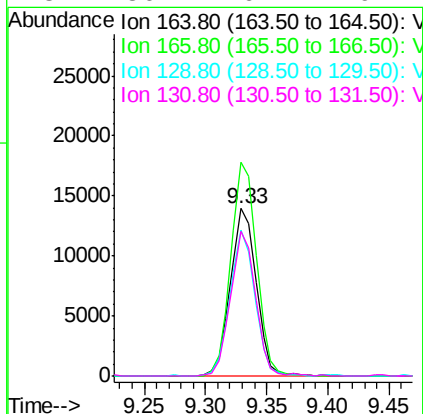
Manual Integrations
APPROVED

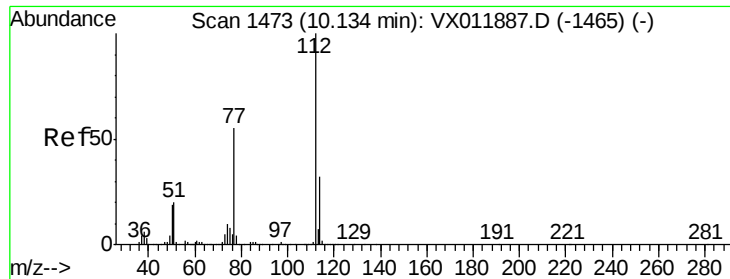
MMDadoda
9/3/2019 2:39:16 AM



#64
Tetrachloroethene
Concen: 4.444 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20408		
166	127.7	101.4	152.0	
129	87.4	68.0	102.0	
131	86.4	64.7	97.1	





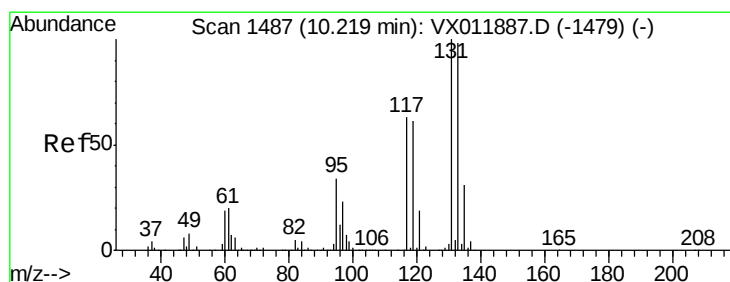
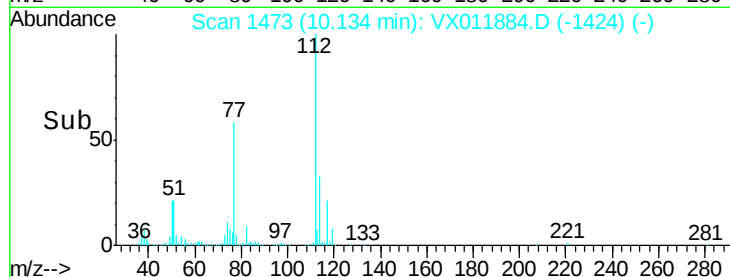
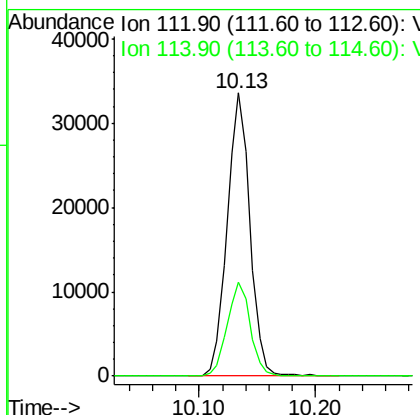
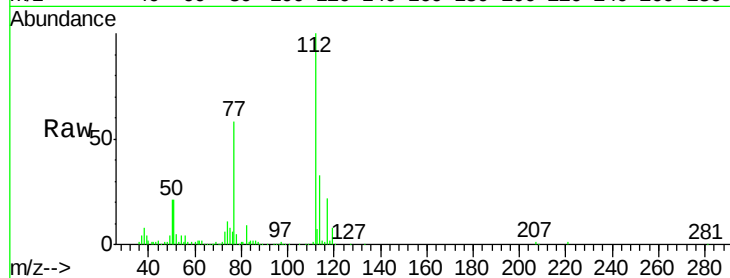
#65
Chlorobenzene
Concen: 5.214 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.9	38.9

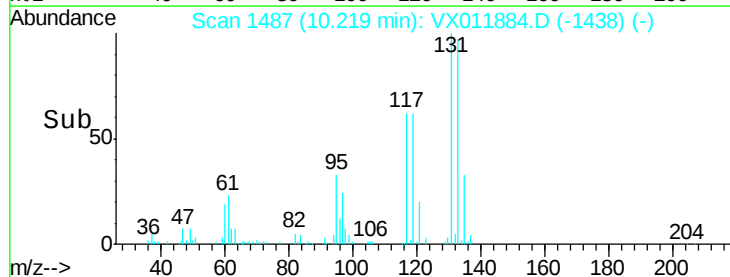
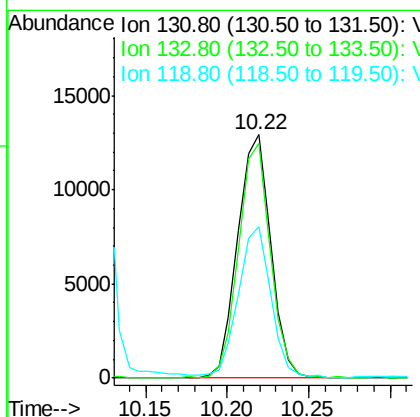
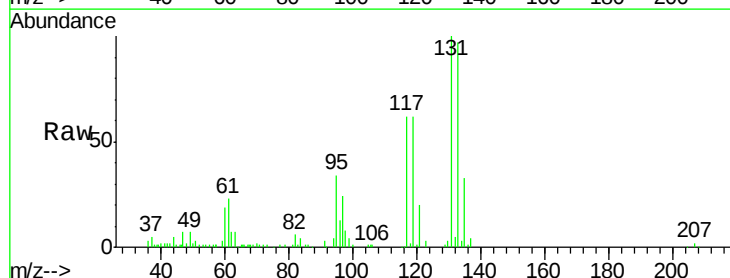
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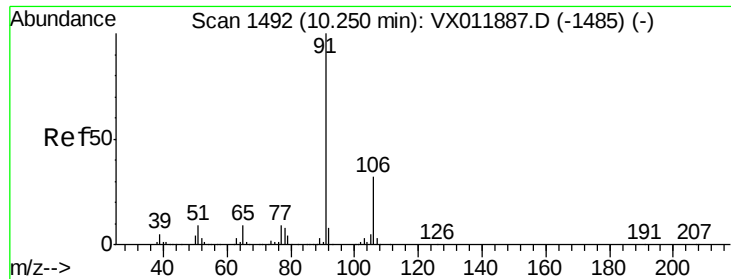
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.856 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.4	145.0
119	61.9	30.6	92.0





#67

Ethyl Benzene

Concen: 5.310 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 79140

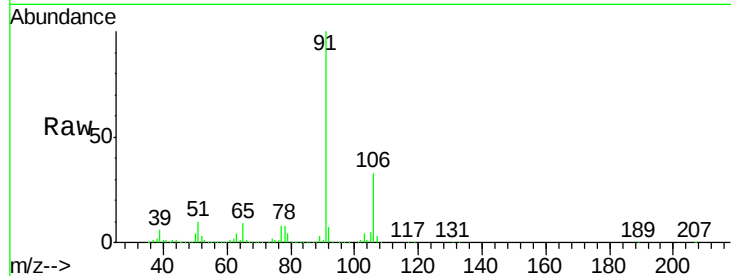
Ion Ratio Lower Upper

91 100

106 32.8 25.8 38.8

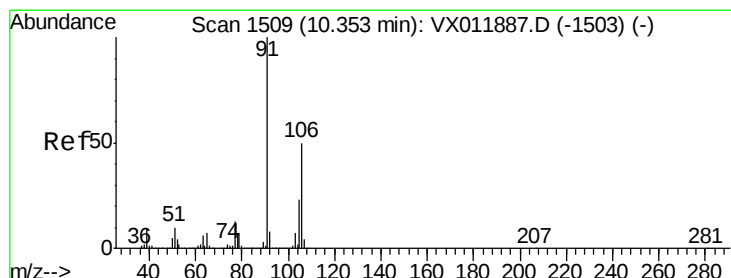
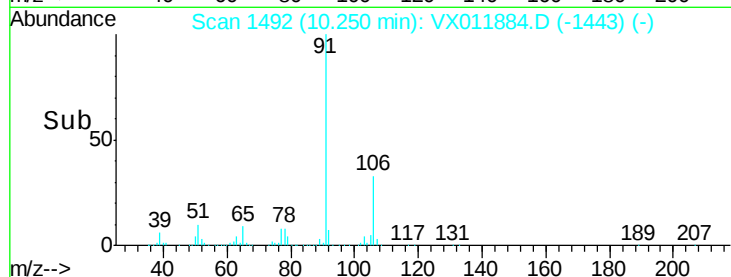
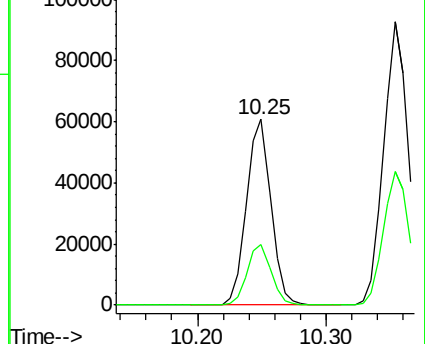
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 10.535 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011884.D

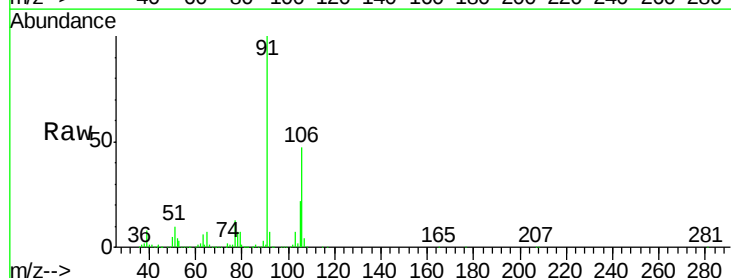
Acq: 29 Aug 2019 20:48

Tgt Ion: 106 Resp: 60656

Ion Ratio Lower Upper

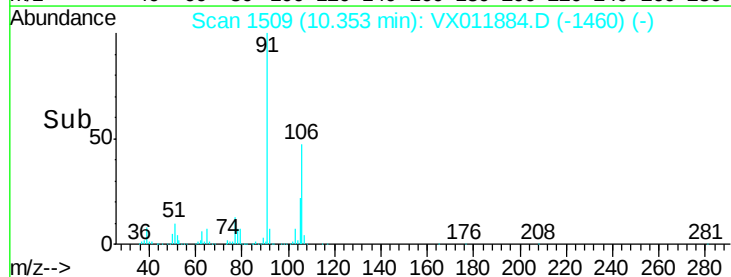
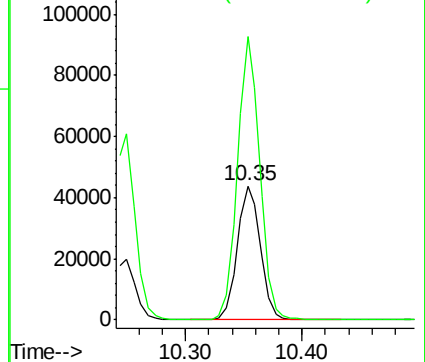
106 100

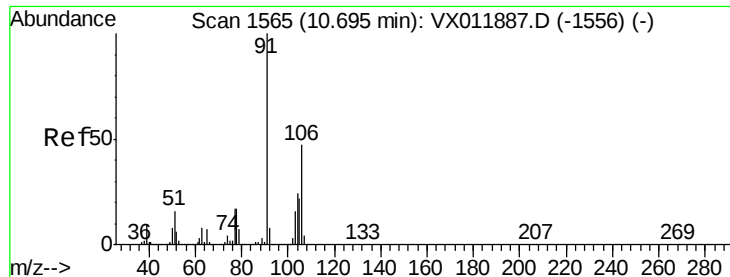
91 202.0 158.6 237.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





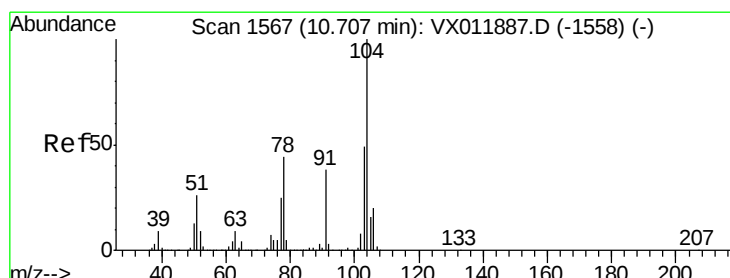
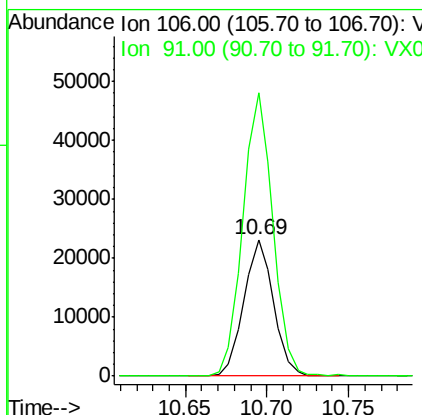
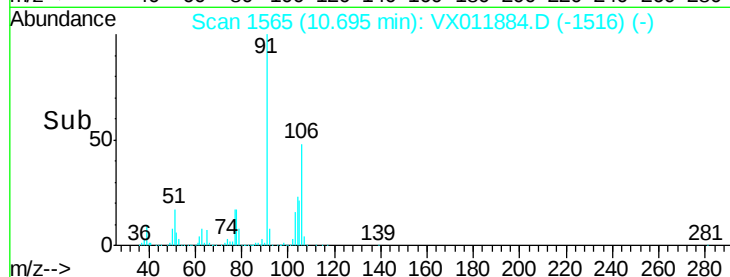
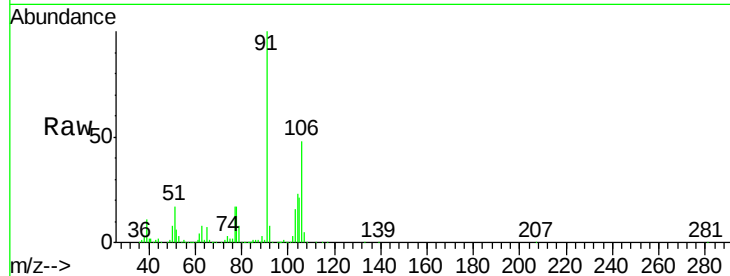
#69
o-Xylene
Concen: 5.345 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.1	104.8	314.6

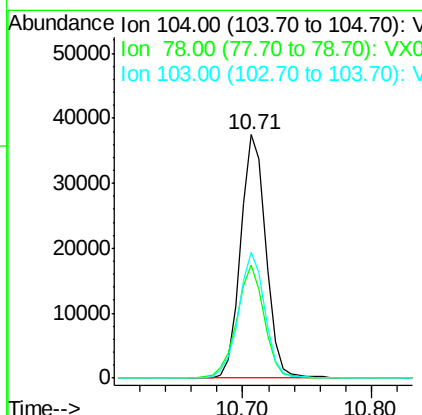
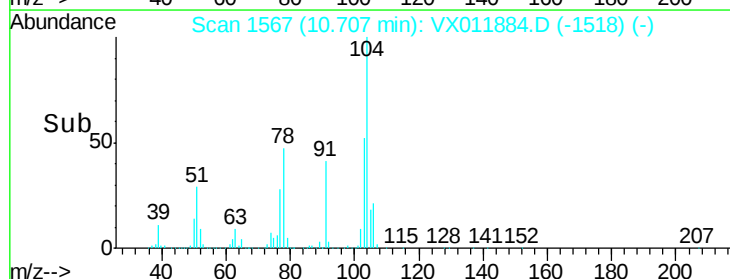
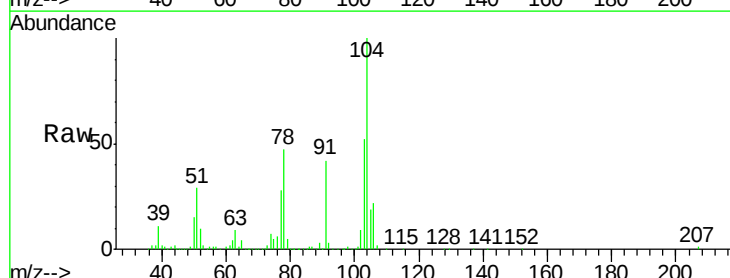
Manual Integrations
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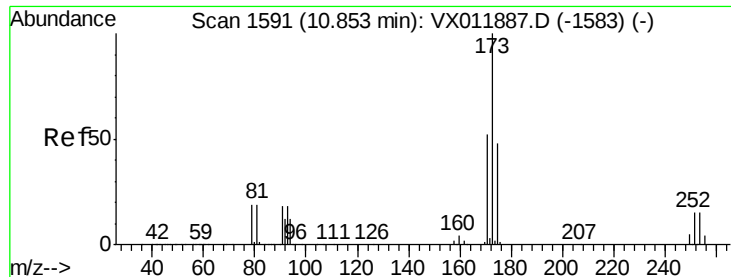
MMDadoda
9/3/2019 2:39:16 AM



#70
Styrene
Concen: 5.592 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.2	58.8
103	54.8	43.0	64.6





#71

Bromoform

Concen: 5.856 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 12458

Ion Ratio Lower Upper

173 100

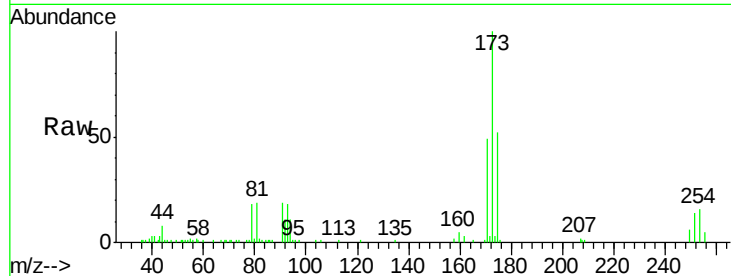
175 49.6 24.4 73.2

254 0.0 0.1 0.1#

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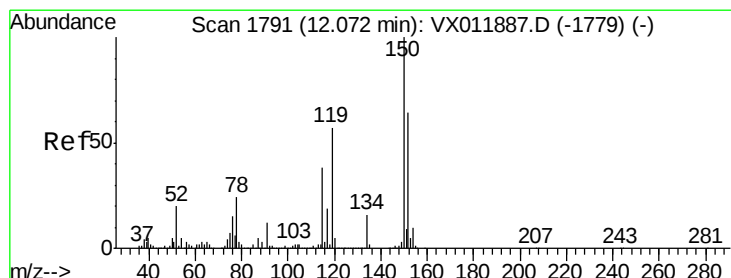
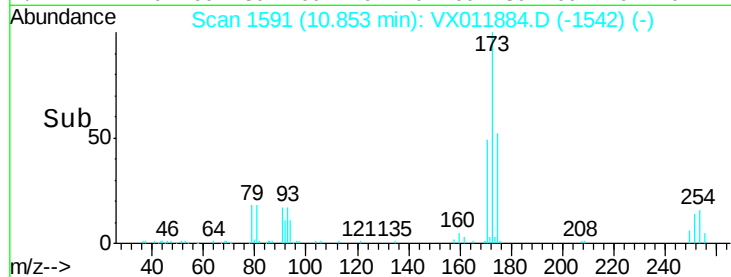
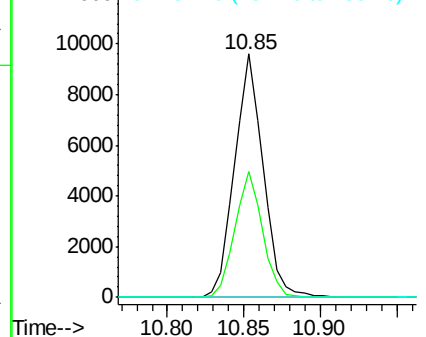
9/3/2019 2:39:16 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

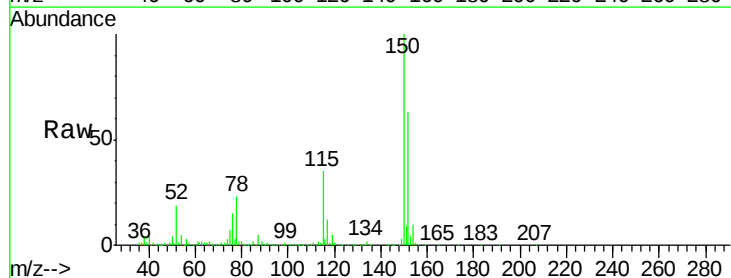
Tgt Ion:152 Resp: 265256

Ion Ratio Lower Upper

152 100

115 55.4 37.1 111.3

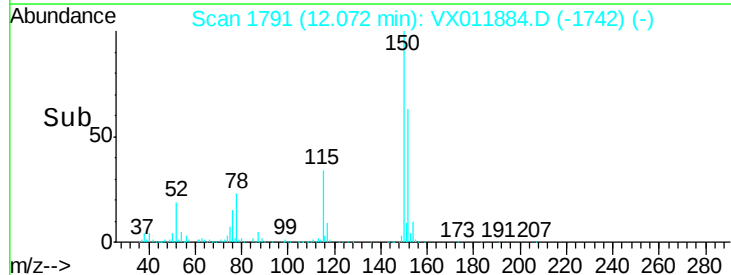
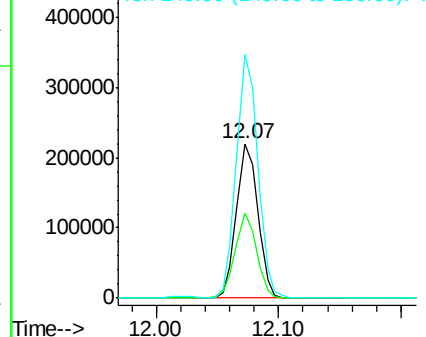
150 158.1 0.0 339.6

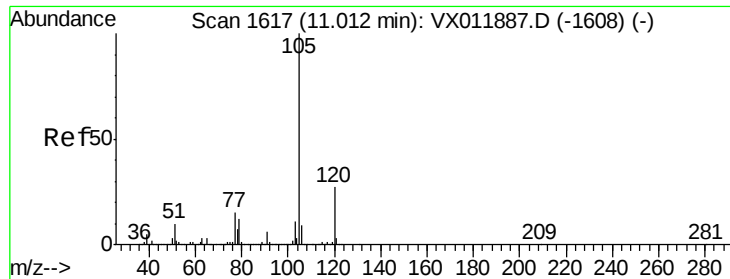


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.246 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 81572

Ion Ratio Lower Upper

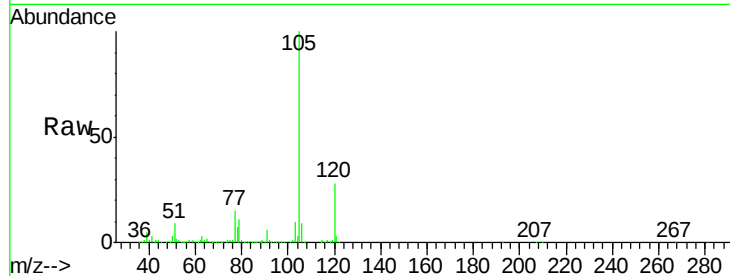
105 100

120 27.8 13.8 41.4

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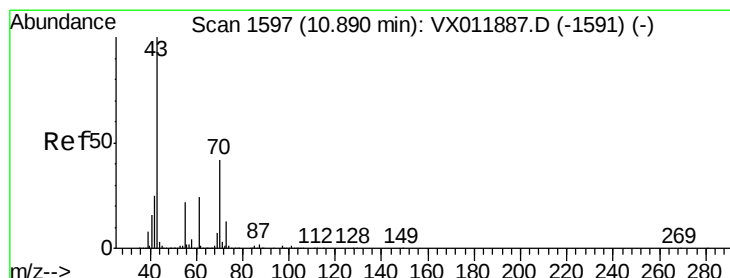
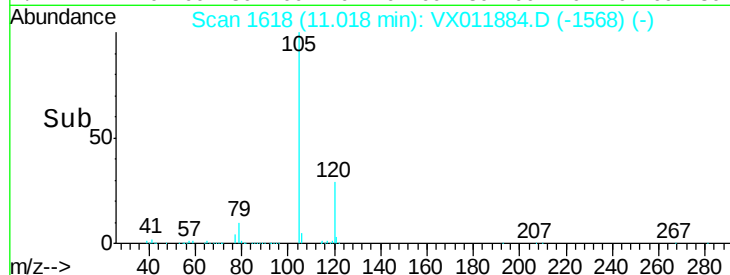
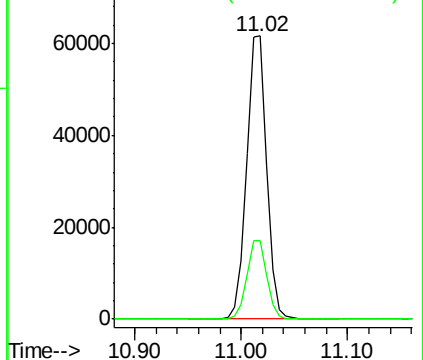
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.047 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion: 43 Resp: 23108

Ion Ratio Lower Upper

43 100

70 40.5 0.2 0.2#

55 23.0 0.1 0.1#

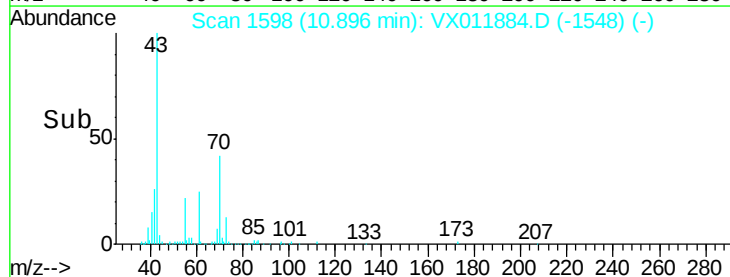
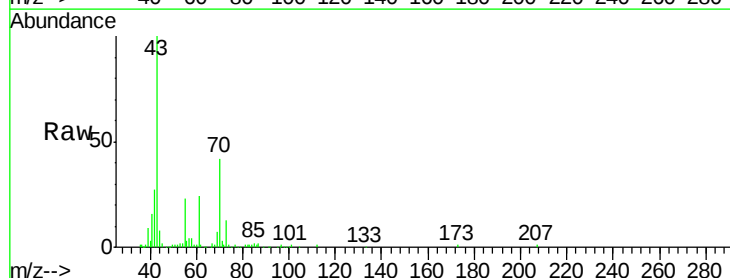
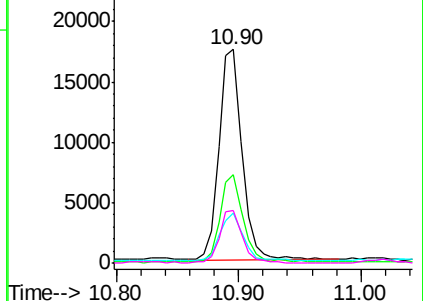
61 24.2 16.4 24.6

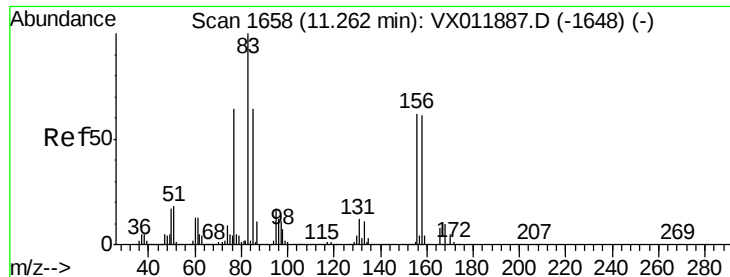
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.136 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

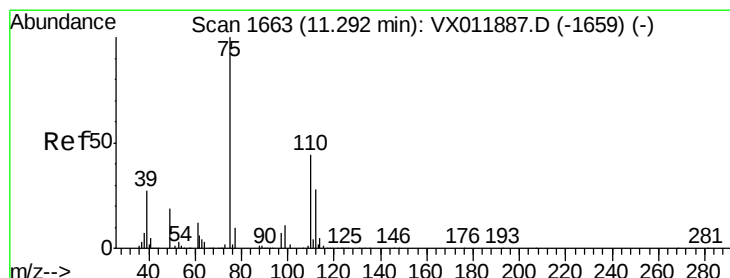
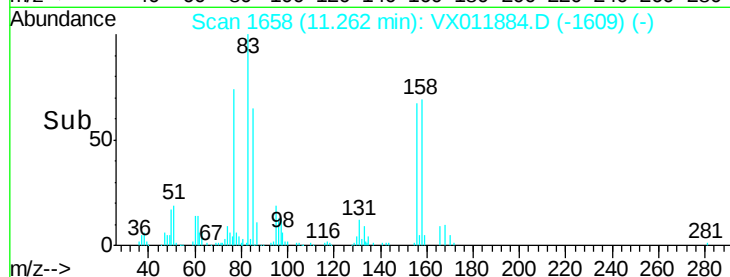
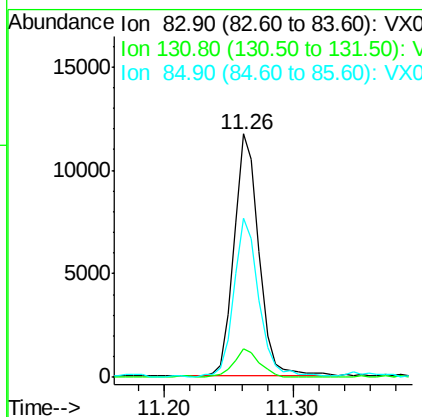
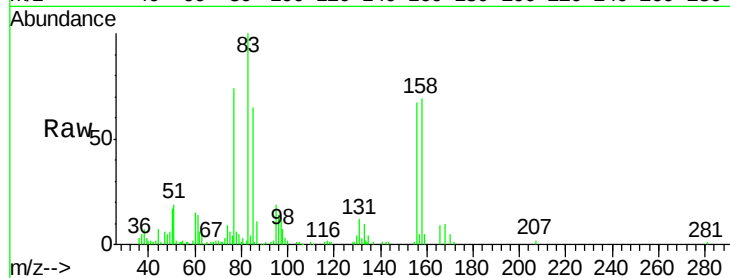
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15797
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.0	18.0
85	66.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 6.484 ug/l m

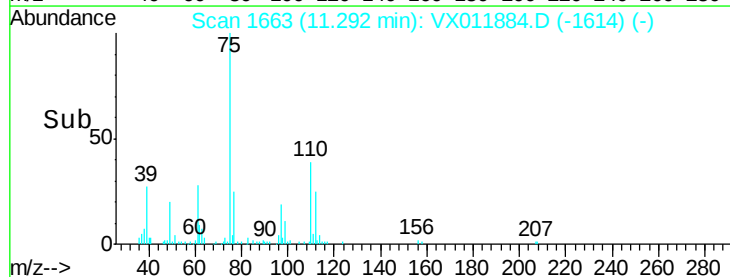
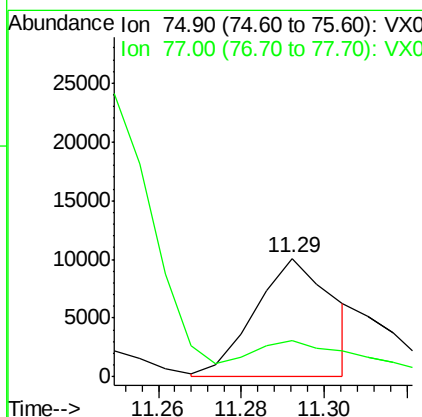
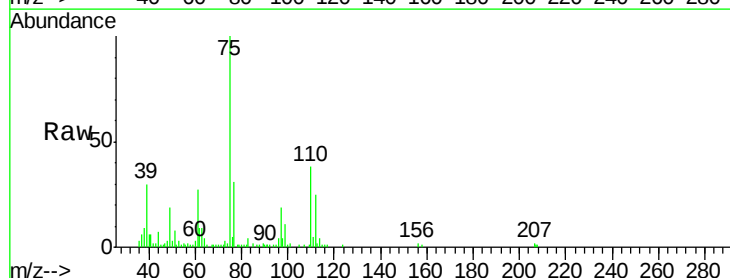
RT: 11.29 min Scan# 1663

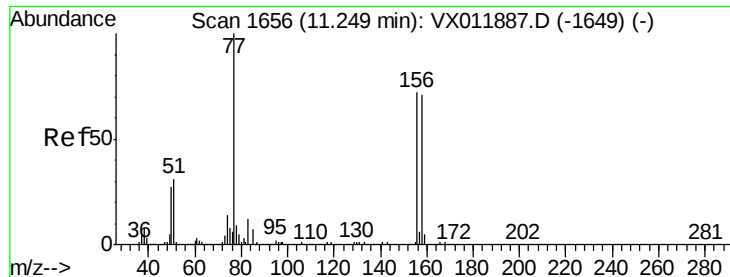
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	75	Resp:	13222
Ion Ratio	Lower	Upper	
75	100		
77	42.2	20.9	62.7





#77

Bromobenzene

Concen: 5.242 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

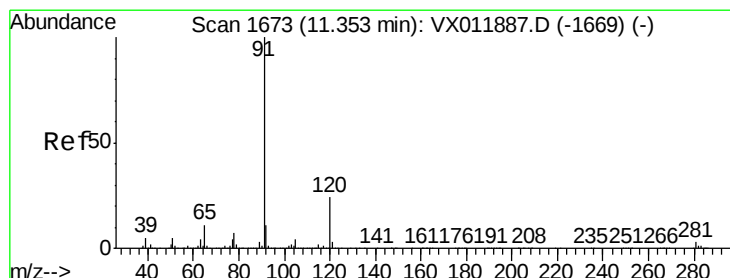
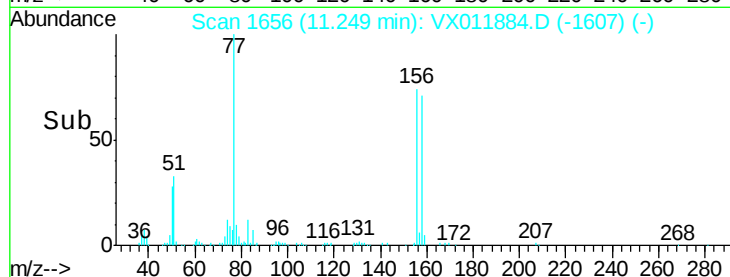
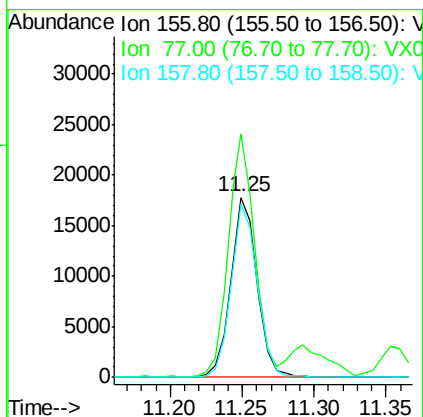
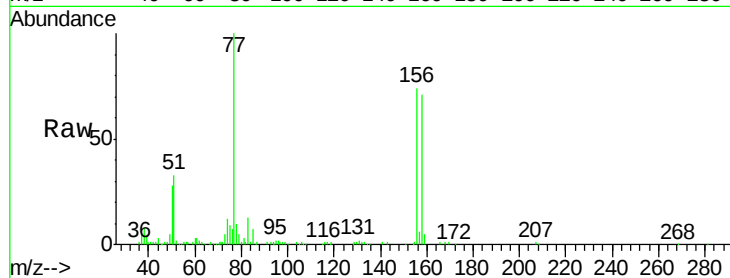
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	22899
Ion	Ratio	Lower	Upper
156	100		
77	134.3	68.1	204.3
158	96.3	48.9	146.8

Manual Integrations
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9/3/2019 2:39:16 AM



#78

n-propylbenzene

Concen: 5.167 ug/l

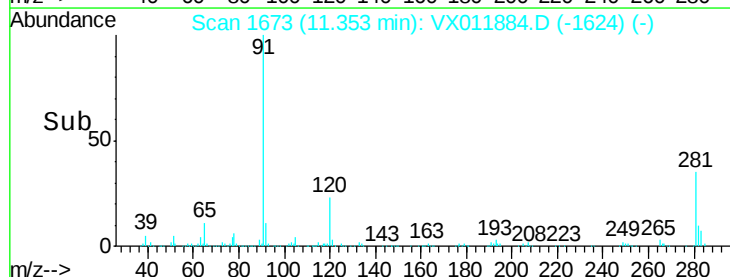
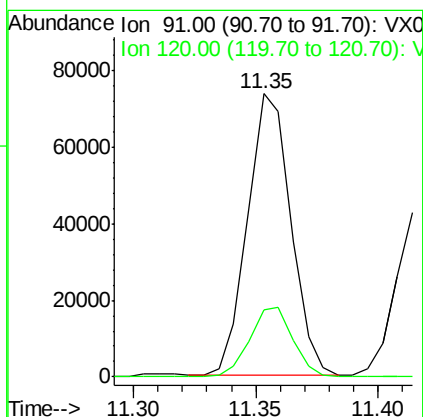
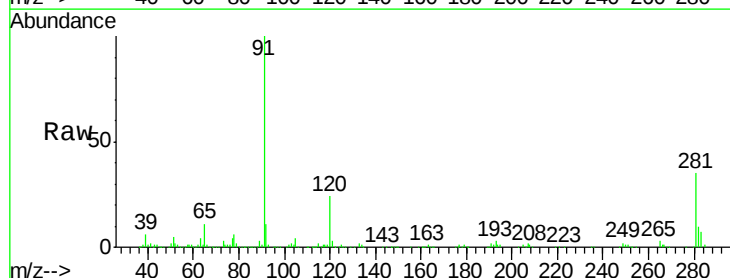
RT: 11.35 min Scan# 1673

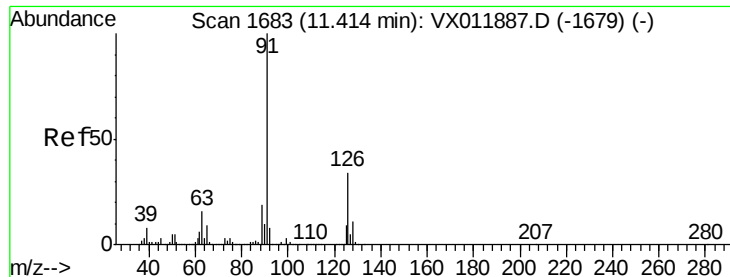
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	91	Resp:	90540
Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.9





#79

2-Chlorotoluene

Concen: 5.234 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 55356

Ion Ratio Lower Upper

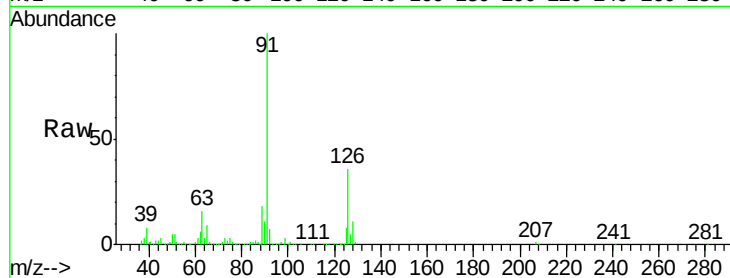
91 100

126 36.8 17.9 53.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011887.D (-1679) (-)

80000

60000

40000

20000

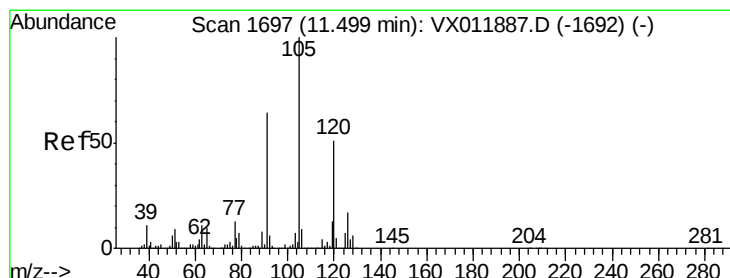
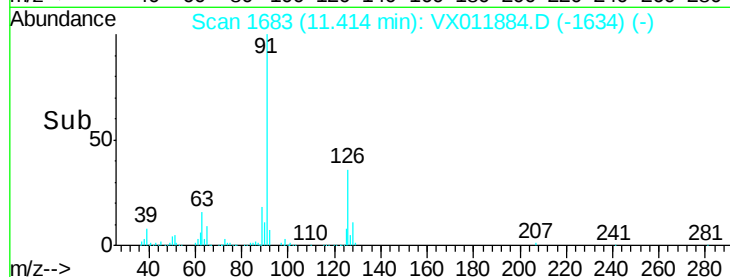
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.234 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VX011884.D

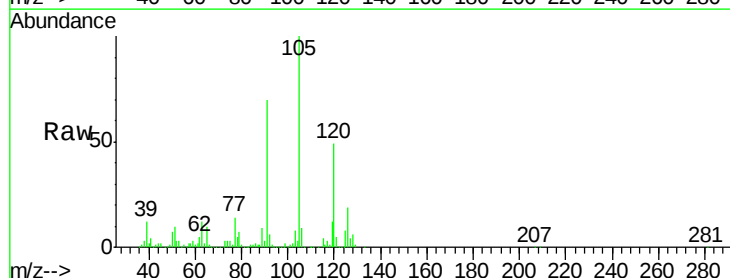
Acq: 29 Aug 2019 20:48

Tgt Ion: 105 Resp: 68627

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011887.D (-1692) (-)

60000

50000

40000

30000

20000

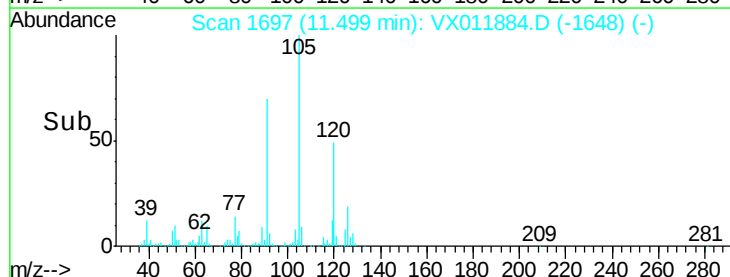
10000

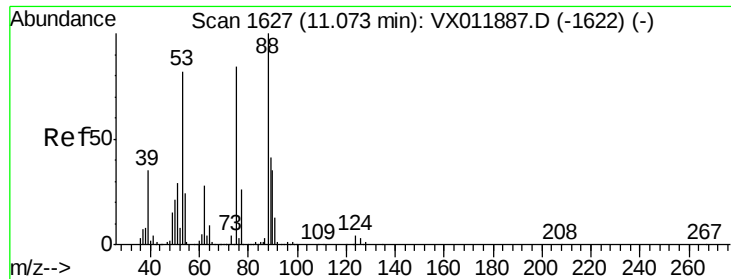
0

11.50

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 9.507 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

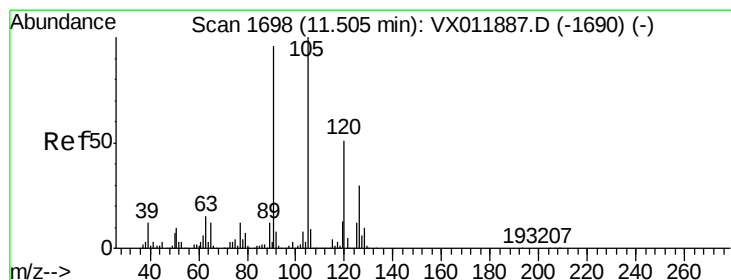
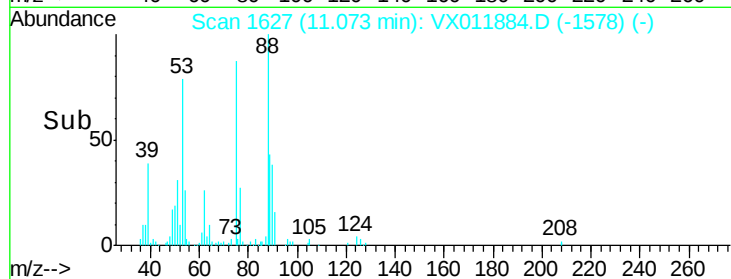
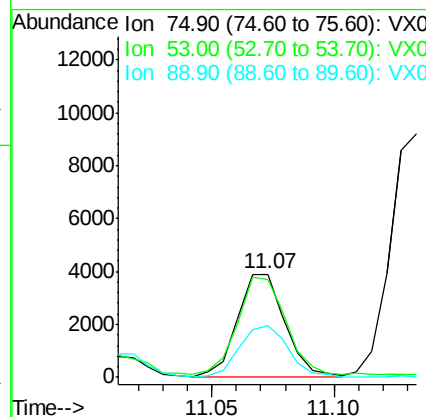
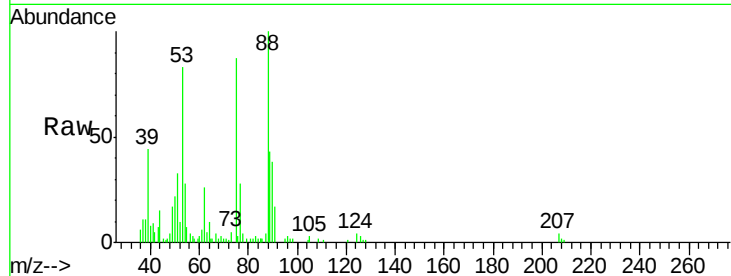
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5334
Ion	Ratio	Lower	Upper
75	100		
53	94.2	77.1	115.7
89	50.5	38.2	57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.315 ug/l

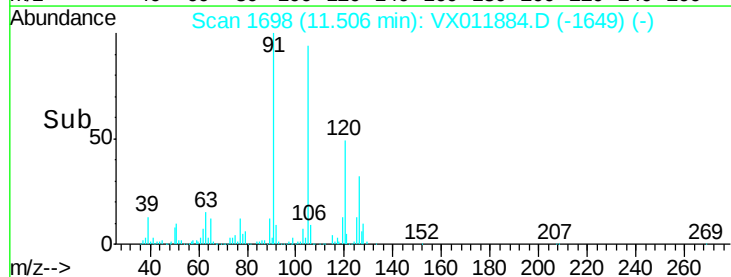
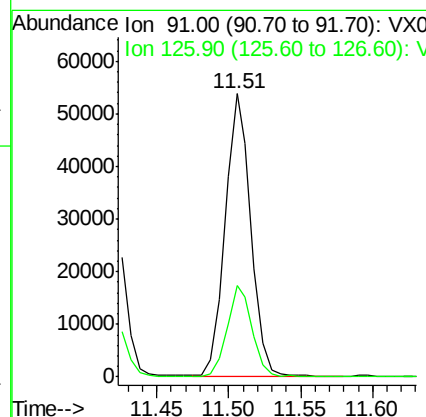
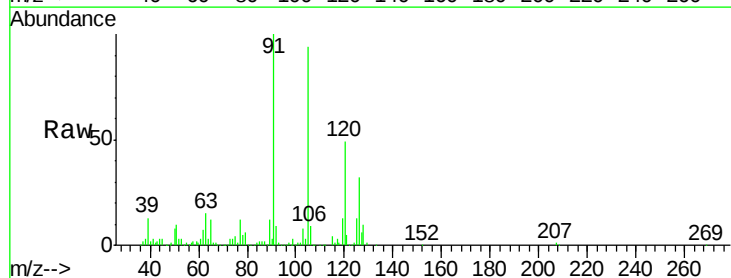
RT: 11.51 min Scan# 1698

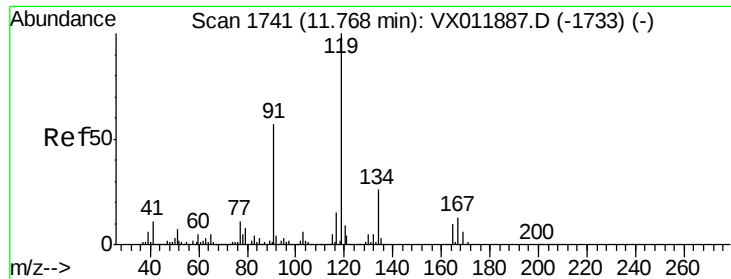
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	91	Resp:	66964
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.6





#83

tert-Butylbenzene

Concen: 5.497 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

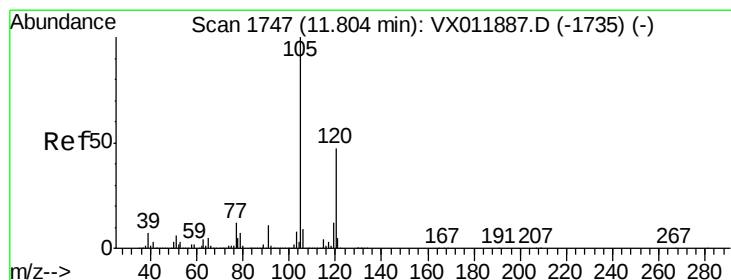
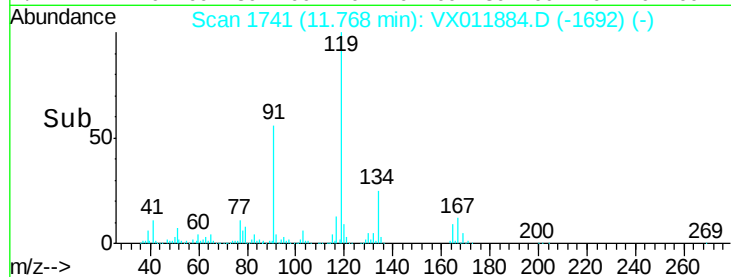
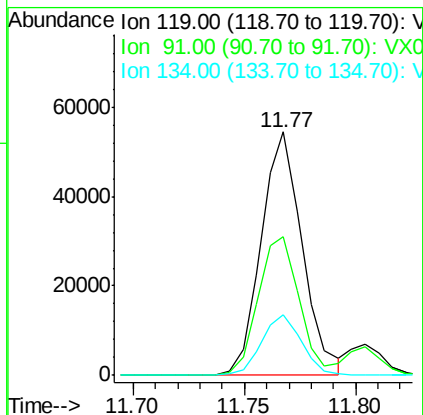
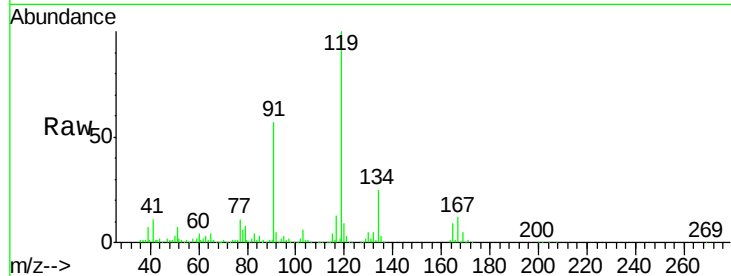
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	69878
Ion Ratio	Lower	Upper	
119	100		
91	56.1	27.9	83.6
134	24.4	12.3	36.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.498 ug/l

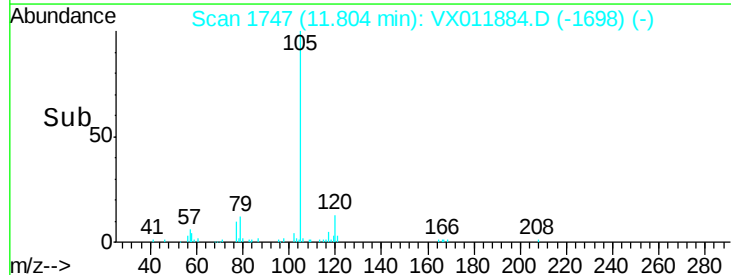
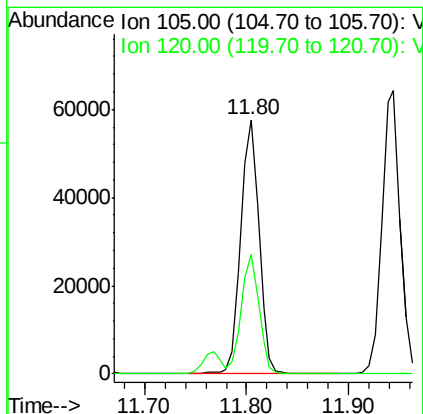
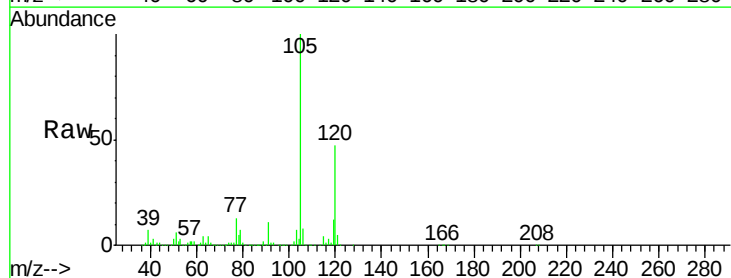
RT: 11.80 min Scan# 1747

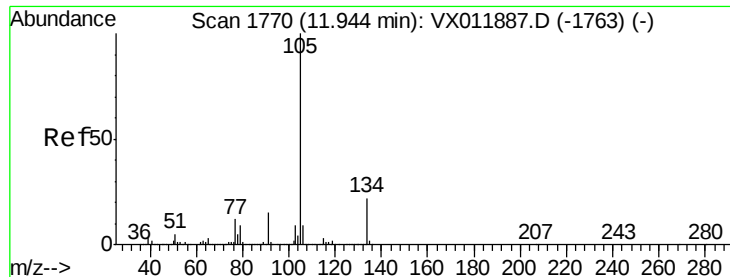
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	105	Resp:	71762
Ion Ratio	Lower	Upper	
105	100		
120	44.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 5.329 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 81480

Ion Ratio Lower Upper

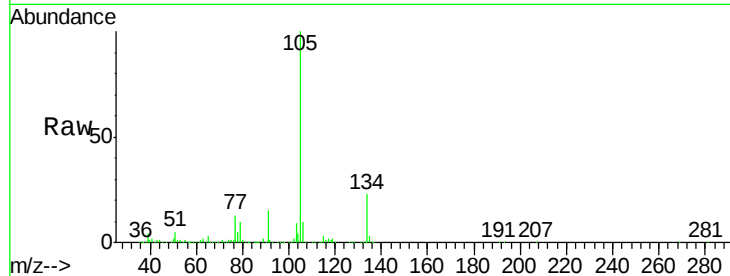
105 100

134 22.1 10.9 32.7

Manual Integrations
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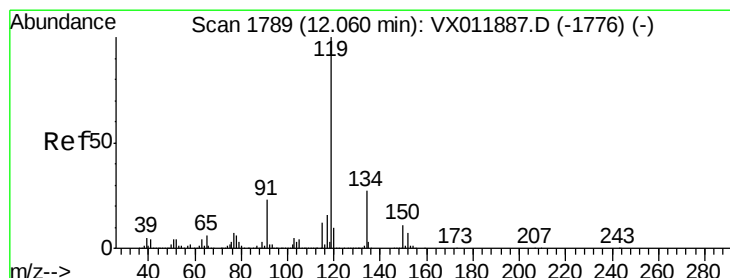
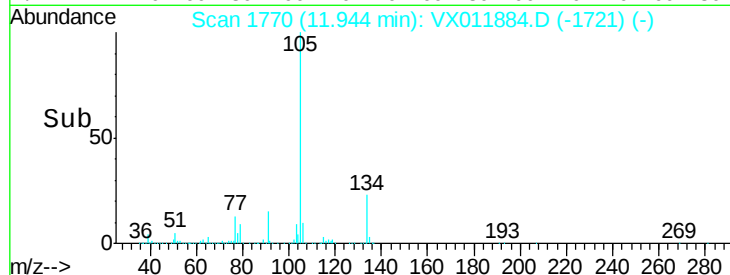
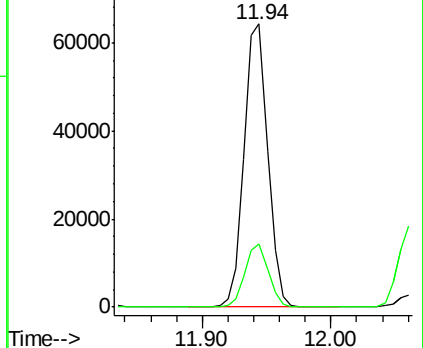
MMDadoda

9/3/2019 2:39:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.486 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

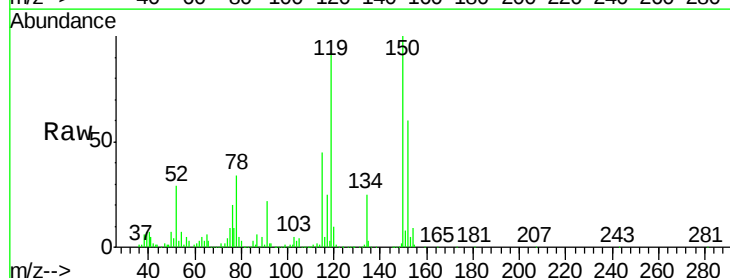
Tgt Ion:119 Resp: 78243

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

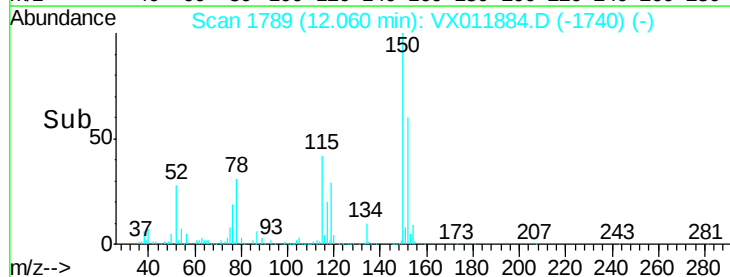
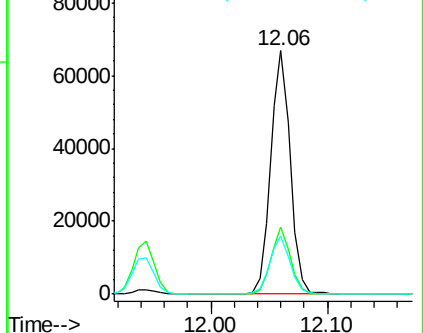
91 24.4 11.6 34.7

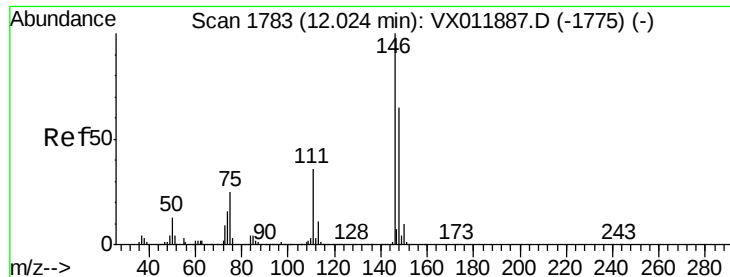


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.273 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

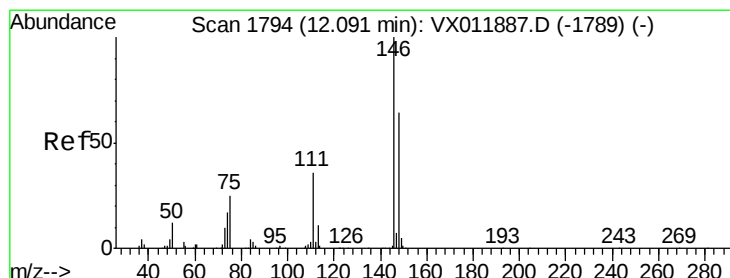
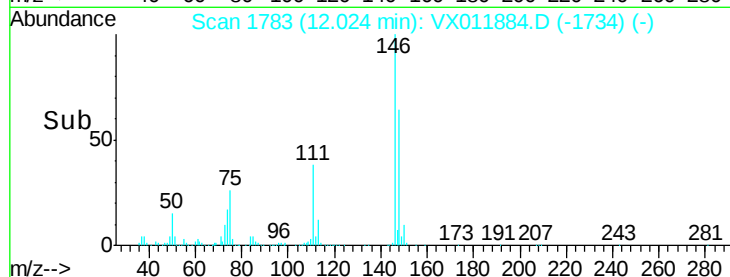
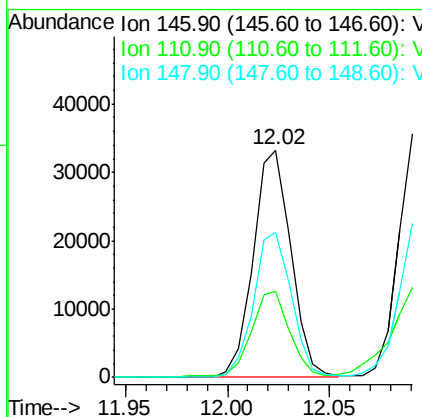
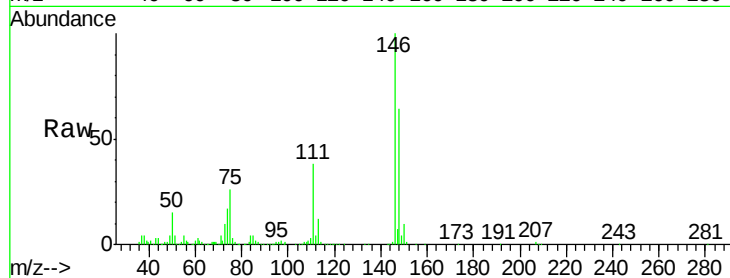
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	42889
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.4	55.2
148	64.1	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.442 ug/l

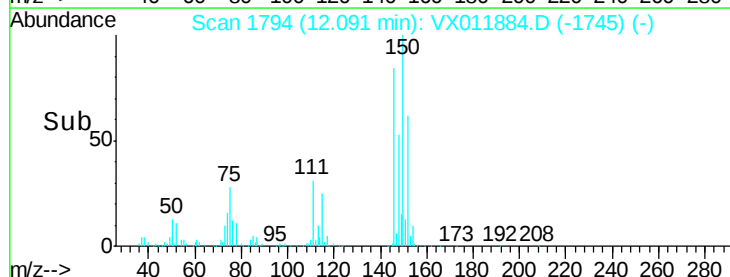
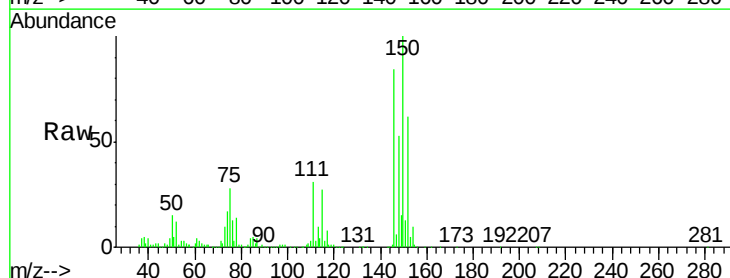
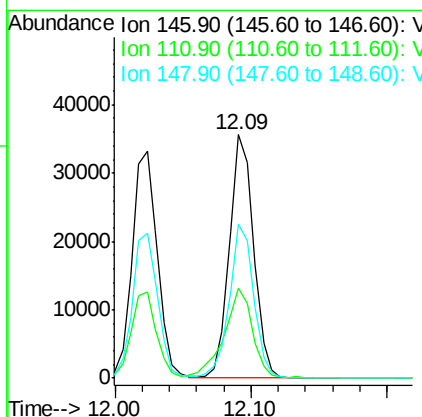
RT: 12.09 min Scan# 1794

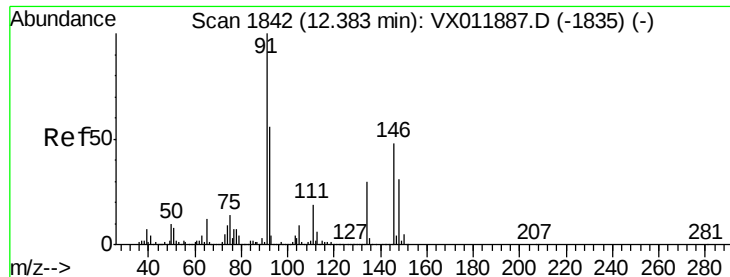
Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	146	Resp:	44139
Ion Ratio	Lower	Upper	
146	100		
111	43.1	17.9	53.7
148	63.9	32.4	97.0





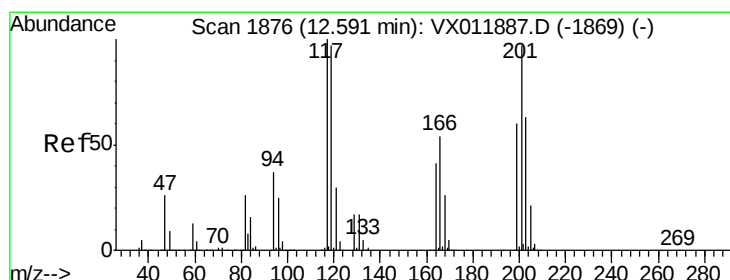
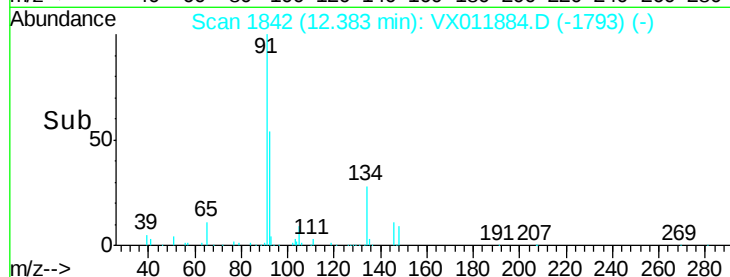
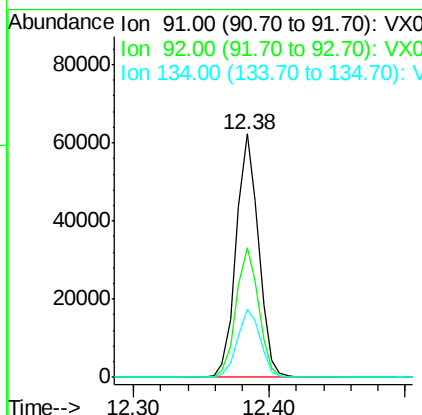
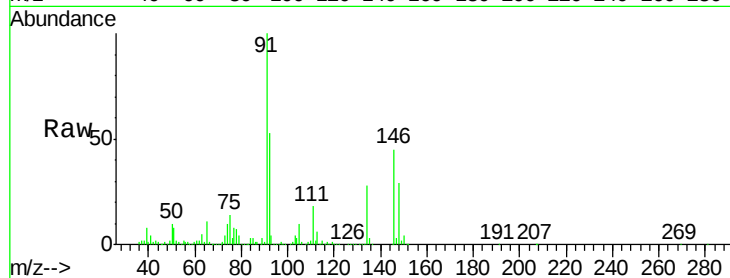
#89
n-Butylbenzene
Concen: 5.658 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.8
134	28.5	14.8	44.3

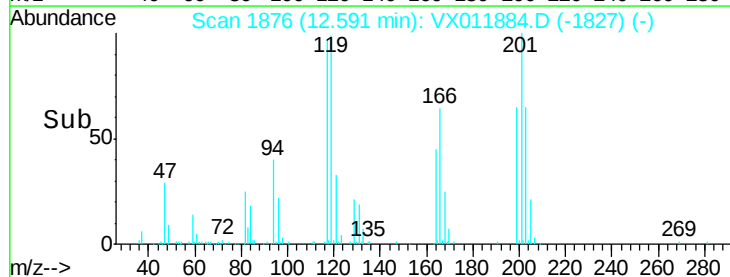
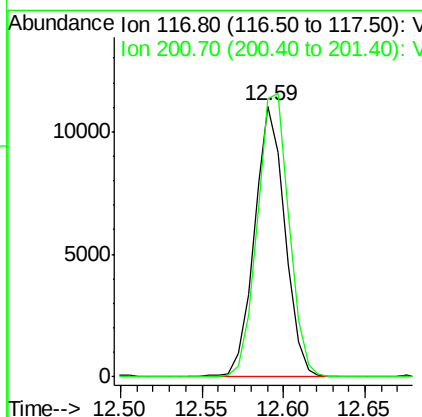
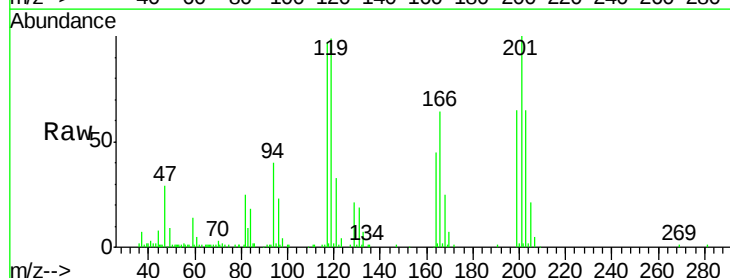
Manual Integrations
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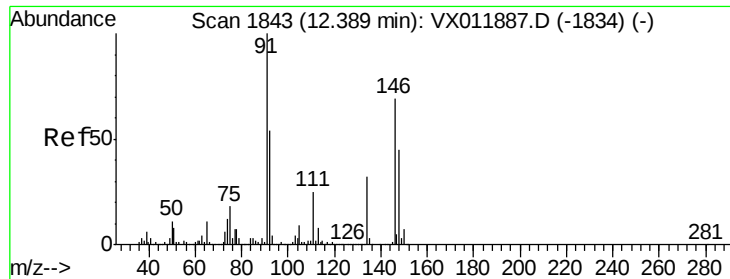
MMDadoda
9/3/2019 2:39:16 AM



#90
Hexachloroethane
Concen: 7.291 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011884.D
Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	108.7	52.8	158.5





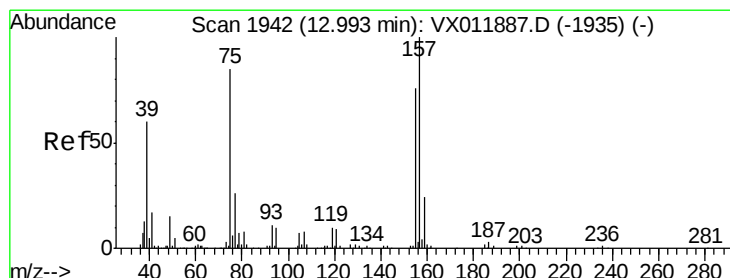
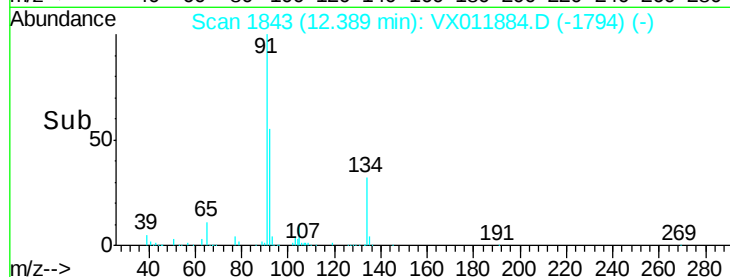
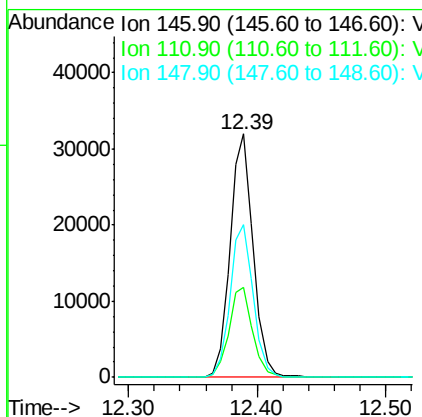
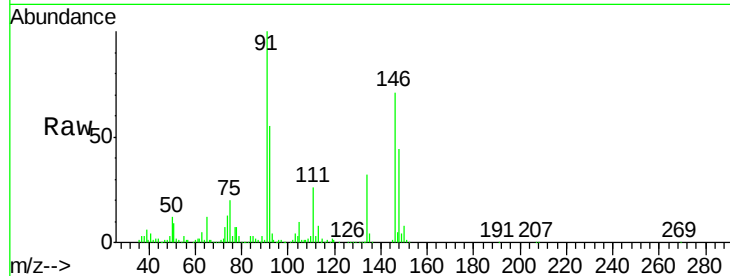
#91
 1,2-Dichlorobenzene
 Concen: 5.415 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
146	100	40012		
111	38.6	18.9	56.5	
148	62.7	32.1	96.3	

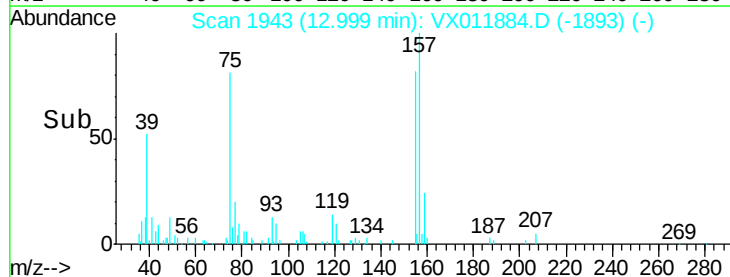
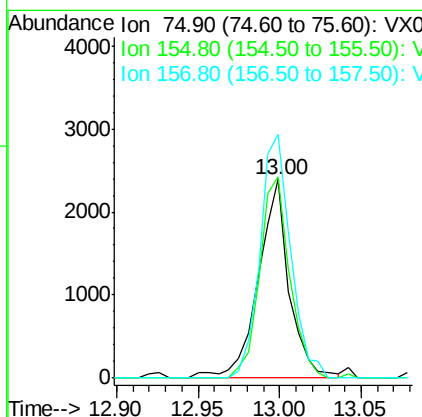
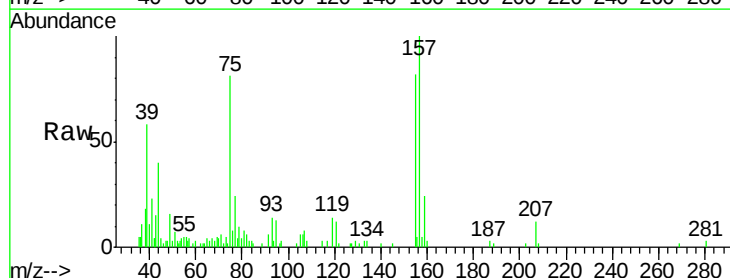
Manual Integrations
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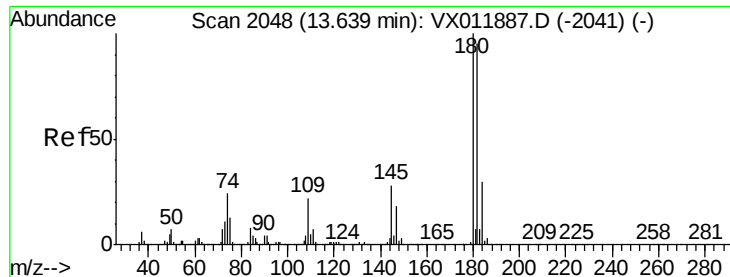
MMDadoda
 9/3/2019 2:39:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.759 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	3131		
155	99.0	50.1	150.4	
157	121.7	63.9	191.7	





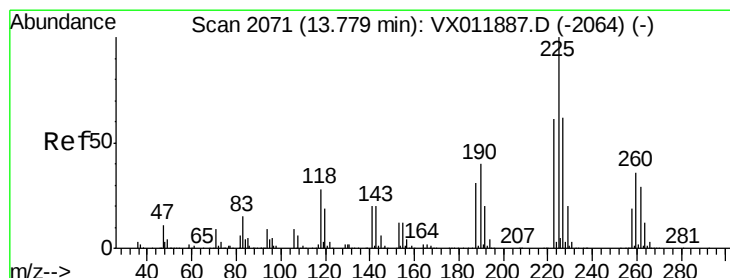
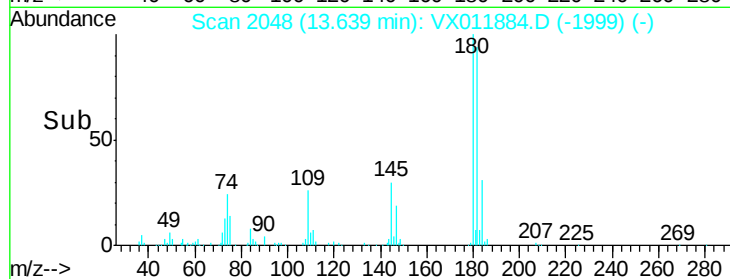
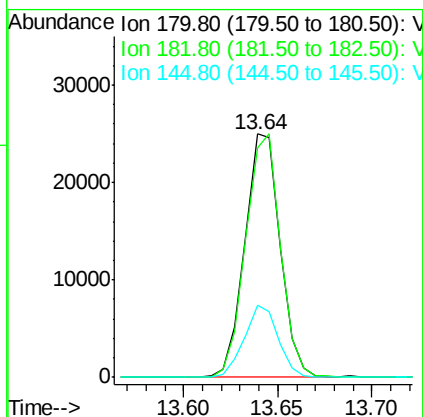
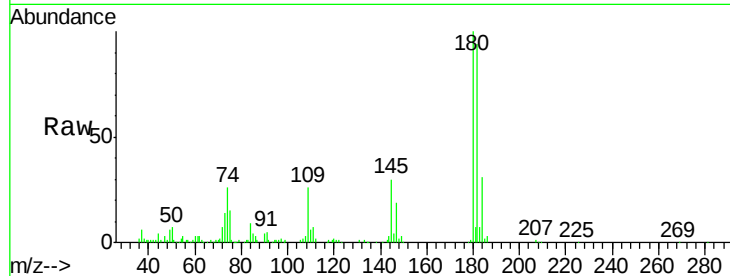
#93
 1,2,4-Trichlorobenzene
 Concen: 5.491 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	180	Resp:	32561
Ion Ratio	Lower	Upper	
180	100		
182	98.3	48.1	144.4
145	28.4	13.8	41.3

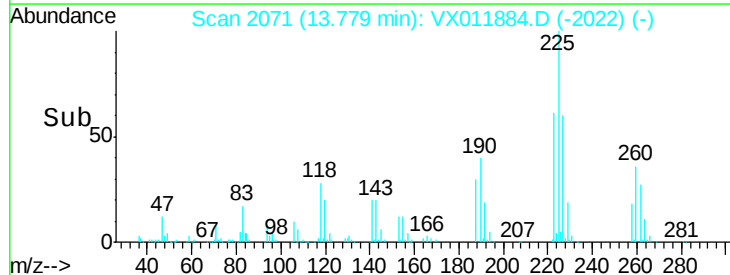
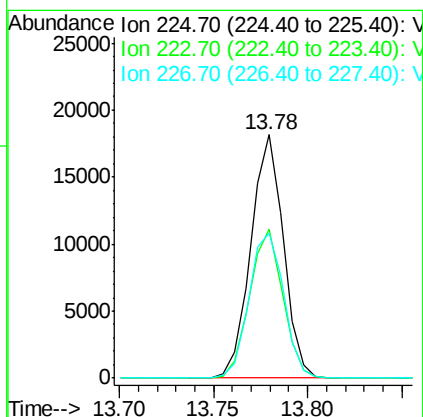
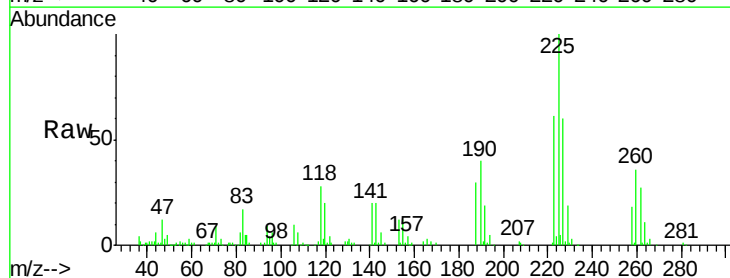
Manual Integrations
 APPROVED

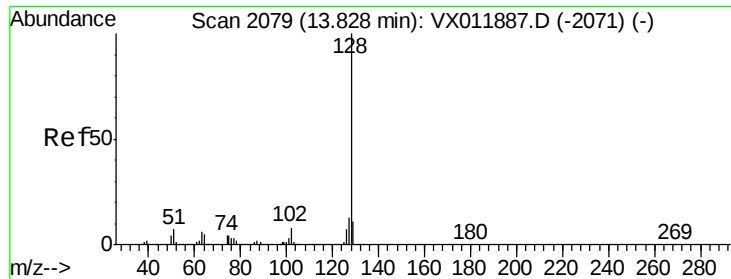
MMDadoda
 9/3/2019 2:39:16 AM



#94
 Hexachlorobutadiene
 Concen: 5.584 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011884.D
 Acq: 29 Aug 2019 20:48

Tgt Ion:	225	Resp:	21816
Ion Ratio	Lower	Upper	
225	100		
223	62.3	30.8	92.3
227	63.0	31.9	95.7





#95

Naphthalene

Concen: 6.241 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Instrument :

MSVOA_X

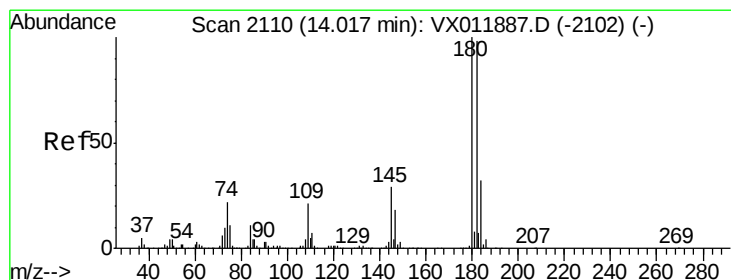
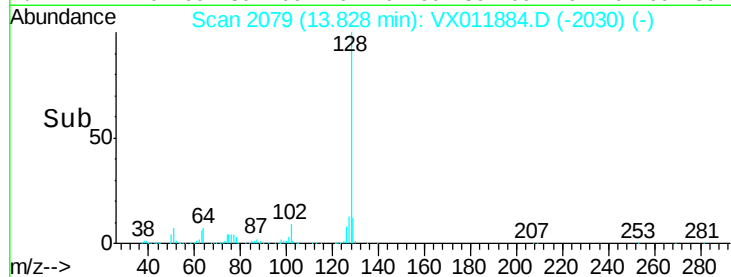
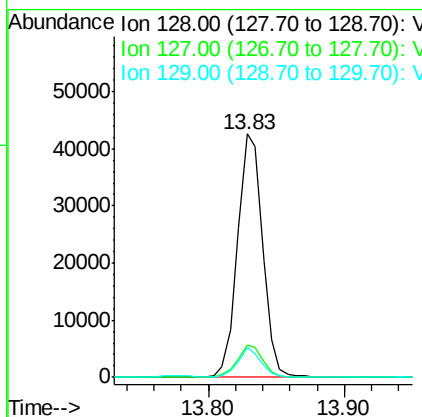
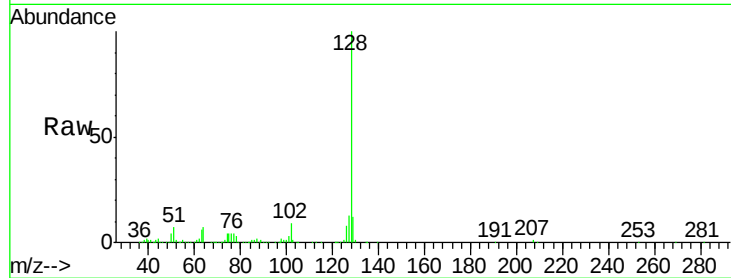
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	54828
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.707 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011884.D

Acq: 29 Aug 2019 20:48

Tgt Ion:	180	Resp:	29587
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.3	144.8
145	30.2	14.6	43.8

