

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012884.D
 Acq On : 08 Oct 2019 11:50
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:37:03 AM

Quant Time: Oct 09 01:34:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	210940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	361749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	320912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	145958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	45387	15.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	30.04%	
35) Dibromofluoromethane	5.49	113	34810	16.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	32.12%	
50) Toluene-d8	8.71	98	137427	16.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	32.84%	
62) 4-Bromofluorobenzene	11.14	95	52212	15.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	31.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	39655	16.605	ug/l	96
3) Chloromethane	1.32	50	41896	15.536	ug/l	93
4) Vinyl Chloride	1.40	62	43202	16.057	ug/l	98
5) Bromomethane	1.63	94	21482	20.147	ug/l	97
6) Chloroethane	1.72	64	25957	14.426	ug/l	100
7) Trichlorofluoromethane	1.92	101	58172	15.430	ug/l	97
8) Diethyl Ether	2.18	74	23555	15.311	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37037	16.040	ug/l	99
10) Methyl Iodide	2.50	142	31523	14.368	ug/l	98
11) Tert butyl alcohol	3.03	59	58007	76.875	ug/l	98
12) 1,1-Dichloroethene	2.36	96	37589	16.632	ug/l	98
13) Acrolein	2.28	56	43723	105.087	ug/l	99
14) Allyl chloride	2.72	41	68149	15.369	ug/l	99
15) Acrylonitrile	3.13	53	120488	78.488	ug/l	99
16) Acetone	2.44	43	134473	84.019	ug/l	98
17) Carbon Disulfide	2.56	76	100937	15.903	ug/l	98
18) Methyl Acetate	2.76	43	57324	15.157	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	135454	15.966	ug/l	98
20) Methylene Chloride	2.85	84	44200	16.119	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	40061	16.024	ug/l	96
22) Diisopropyl ether	3.84	45	133686	15.594	ug/l	90
23) Vinyl Acetate	3.81	43	585031	78.075	ug/l	99
24) 1,1-Dichloroethane	3.69	63	74707	15.996	ug/l	99
25) 2-Butanone	4.66	43	177478	77.499	ug/l	97
26) 2,2-Dichloropropane	4.58	77	60911	14.739	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	46146	15.913	ug/l	97
28) Bromochloromethane	5.00	49	22554	13.614	ug/l #	97
29) Tetrahydrofuran	5.12	42	108774	77.804	ug/l	99
30) Chloroform	5.20	83	74154	15.482	ug/l	99
31) Cyclohexane	5.57	56	67688	15.970	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	64900	15.370	ug/l	99
36) 1,1-Dichloropropene	5.79	75	54757	15.622	ug/l	98
37) Ethyl Acetate	4.82	43	63120	15.598	ug/l	99
38) Carbon Tetrachloride	5.78	117	54451	15.434	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67883	16.024	ug/l	96
40) Benzene	6.14	78	171338	16.658	ug/l	100
41) Methacrylonitrile	5.03	41	35018	15.484	ug/l	99
42) 1,2-Dichloroethane	6.18	62	61076	15.775	ug/l	100
43) Isopropyl Acetate	6.43	43	102353	15.157	ug/l	100
44) Trichloroethene	7.21	130	43195	16.312	ug/l	94
45) 1,2-Dichloropropane	7.51	63	43294	16.443	ug/l	98
46) Dibromomethane	7.65	93	28814	16.096	ug/l	99
47) Bromodichloromethane	7.89	83	55927	15.710	ug/l	94
48) Methyl methacrylate	7.76	41	51102	15.799	ug/l	95
49) 1,4-Dioxane	7.73	88	23511	316.294	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	321863	77.208	ug/l	99
52) Toluene	8.78	92	108428	16.781	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	61302	15.548	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	67865	15.742	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	42794	16.662	ug/l	97
56) Ethyl methacrylate	9.17	69	68922	16.017	ug/l	99
57) 1,3-Dichloropropane	9.37	76	72791	16.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	152182	79.297	ug/l	100
59) 2-Hexanone	9.48	43	251233	78.895	ug/l	99
60) Dibromochloromethane	9.57	129	41694	16.022	ug/l	100
61) 1,2-Dibromoethane	9.67	107	43897	16.421	ug/l	98
64) Tetrachloroethene	9.33	164	41395	18.245	ug/l	93
65) Chlorobenzene	10.14	112	111263	16.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	39912	16.264	ug/l	98
67) Ethyl Benzene	10.24	91	201931	16.439	ug/l	100
68) m/p-Xylenes	10.35	106	152137	33.091	ug/l	100
69) o-Xylene	10.70	106	74577	16.739	ug/l	99
70) Styrene	10.71	104	124815	16.696	ug/l	99
71) Bromoform	10.85	173	26942	15.673	ug/l #	97
73) Isopropylbenzene	11.01	105	197814	16.629	ug/l	100
74) N-amyl acetate	10.89	43	84664	15.167	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	64139	16.376	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	61163m	16.381	ug/l	
77) Bromobenzene	11.25	156	44339	16.409	ug/l	95
78) n-propylbenzene	11.35	91	213295	16.010	ug/l	100
79) 2-Chlorotoluene	11.42	91	133338	16.008	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	165425	16.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19062	14.378	ug/l	98
82) 4-Chlorotoluene	11.51	91	156221	16.441	ug/l	98
83) tert-Butylbenzene	11.76	119	158694	16.435	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	167295	16.602	ug/l	99
85) sec-Butylbenzene	11.94	105	184690	16.456	ug/l	100
86) p-Isopropyltoluene	12.06	119	169030	16.705	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	82954	16.996	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	81687	16.627	ug/l	99
89) n-Butylbenzene	12.38	91	139539	15.717	ug/l	100
90) Hexachloroethane	12.59	117	27991	15.608	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	80978	16.645	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14638	15.064	ug/l	94

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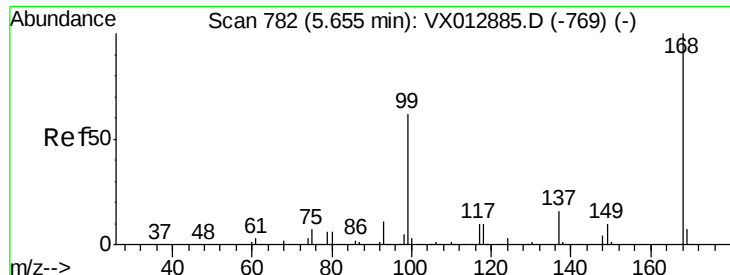
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48317	16.171	ug/l	99
94) Hexachlorobutadiene	13.77	225	21759	16.778	ug/l	98
95) Naphthalene	13.83	128	175959	16.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	51015	17.081	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 210940

Ion Ratio Lower Upper

168 100

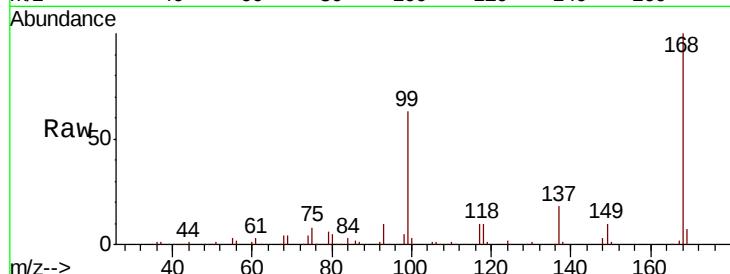
99 62.7 49.4 74.0

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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

80000

60000

40000

20000

0

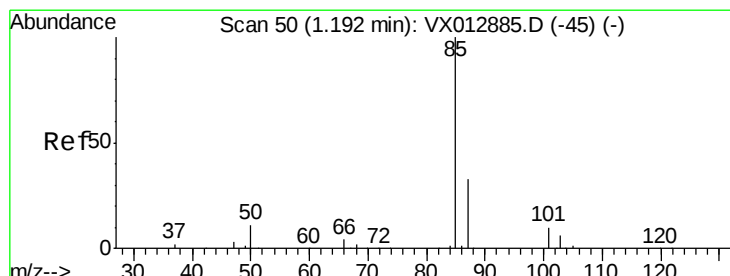
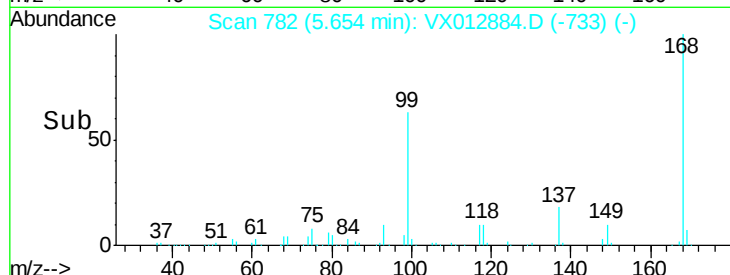
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 16.605 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX012884.D

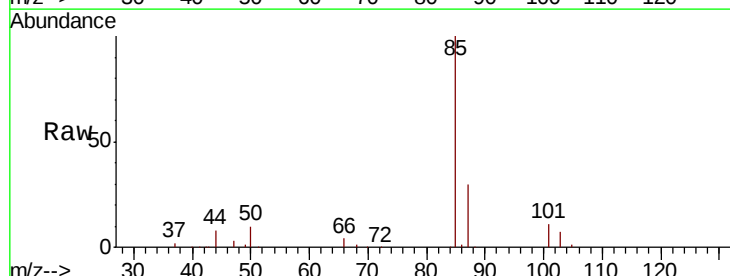
Acq: 08 Oct 2019 11:50

Tgt Ion: 85 Resp: 39655

Ion Ratio Lower Upper

85 100

87 30.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

40000

30000

20000

10000

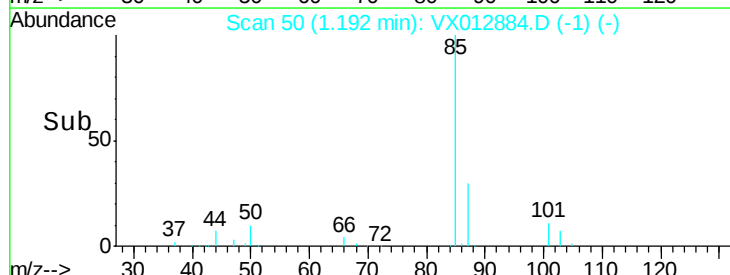
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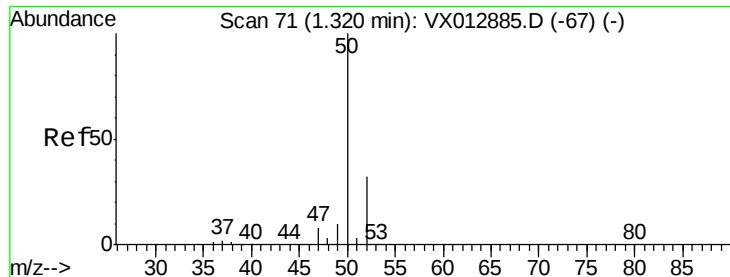
Time-->

1.15

1.20

1.25





#3

Chloromethane

Concen: 15.536 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 41896

Ion Ratio Lower Upper

50 100

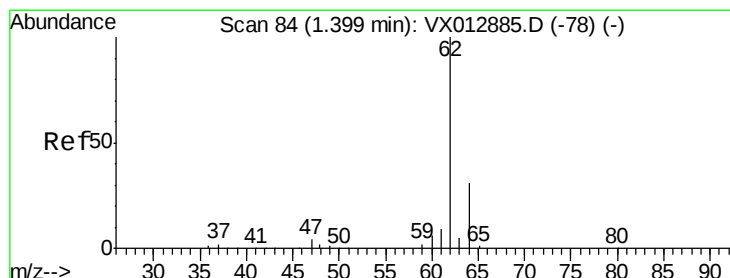
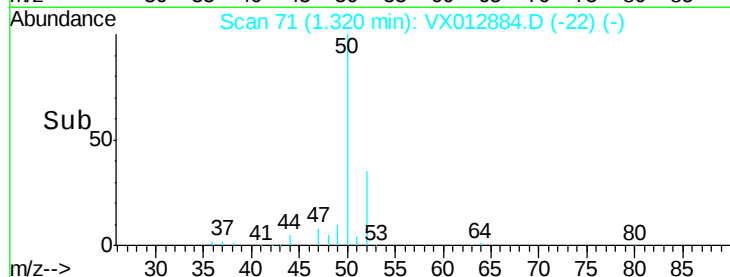
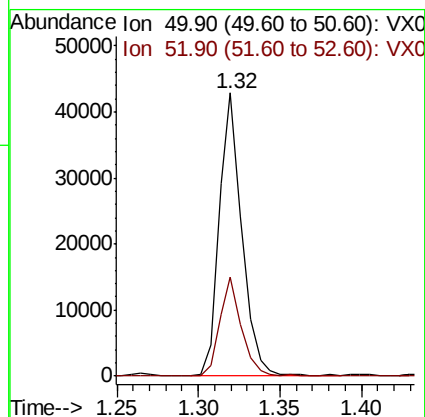
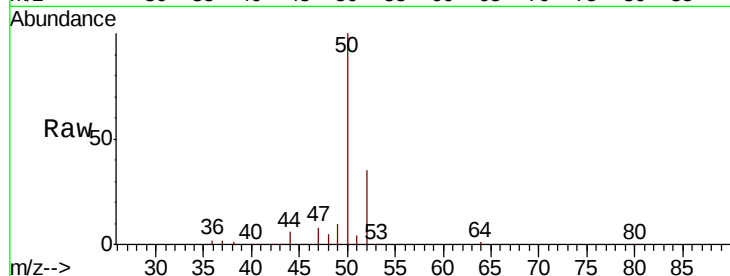
52 35.2 25.2 37.8

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#4

Vinyl Chloride

Concen: 16.057 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012884.D

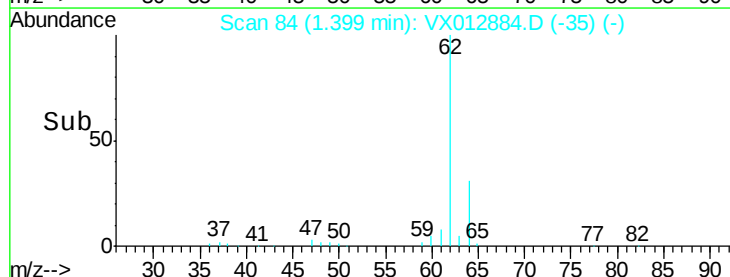
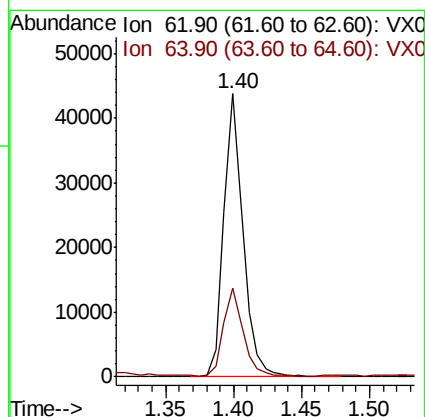
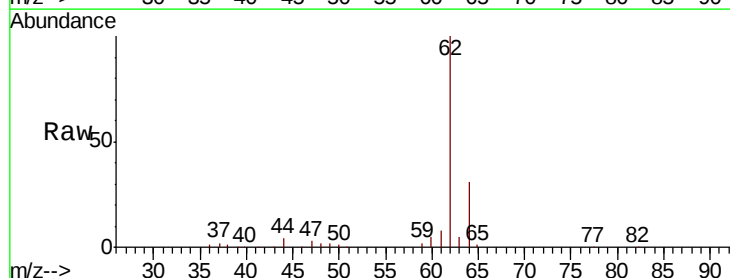
Acq: 08 Oct 2019 11:50

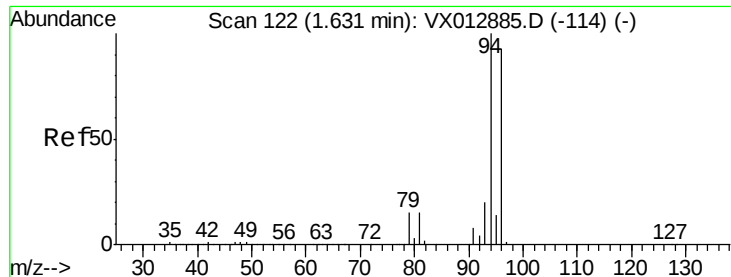
Tgt Ion: 62 Resp: 43202

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 20.147 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 21482

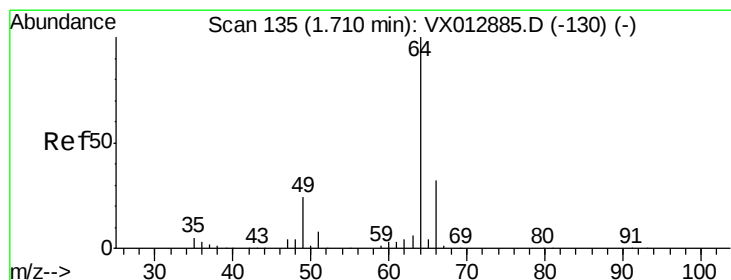
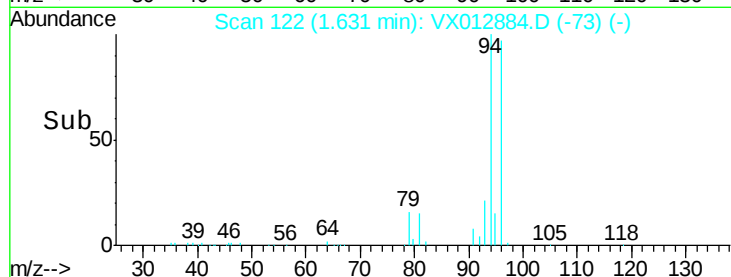
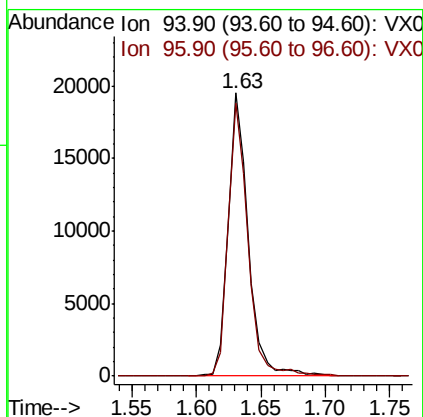
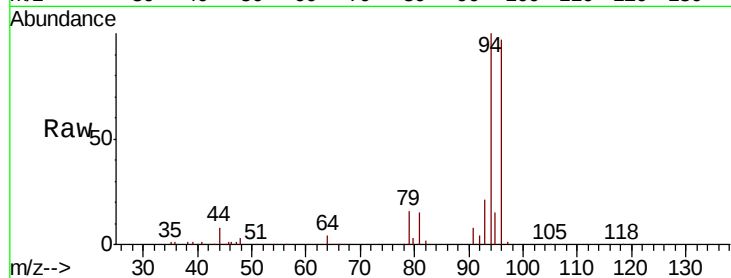
Ion Ratio Lower Upper

94 100

96 96.6 74.7 112.1

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#6

Chloroethane

Concen: 14.426 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012884.D

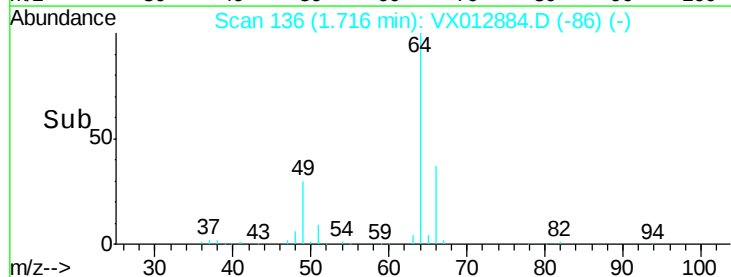
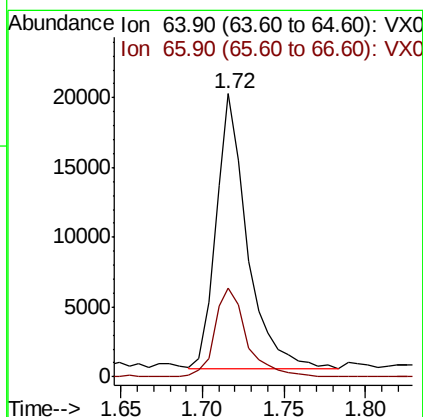
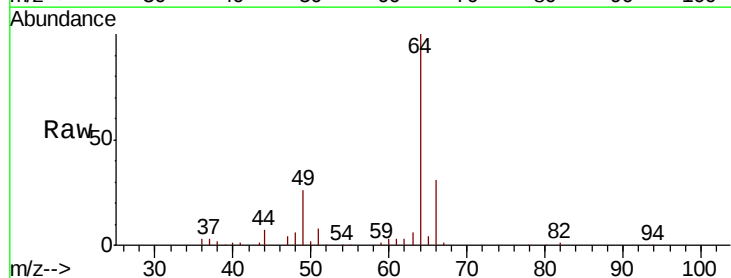
Acq: 08 Oct 2019 11:50

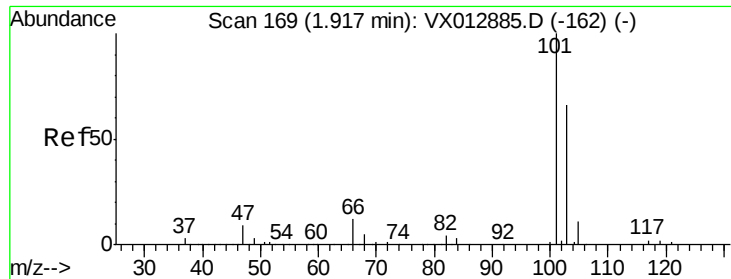
Tgt Ion: 64 Resp: 25957

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

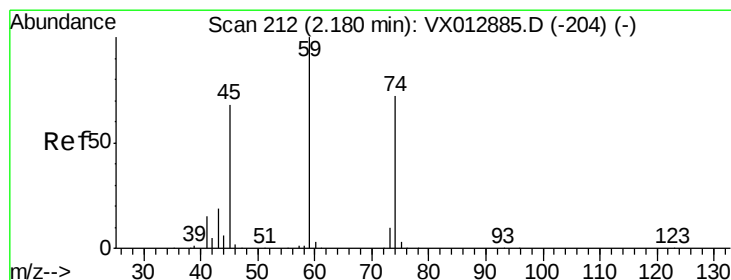
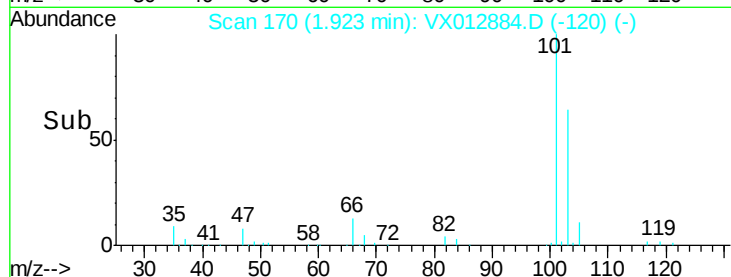
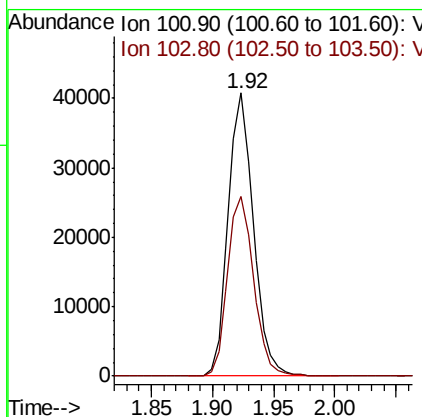
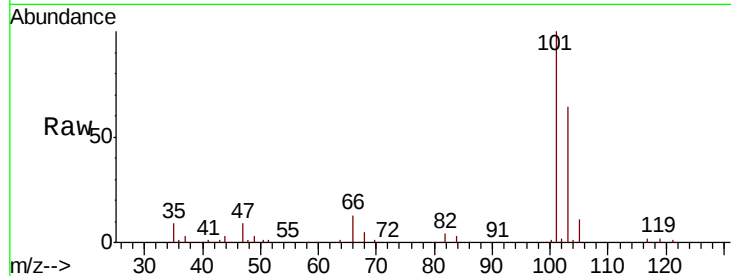
Trichlorofluoromethane
Concen: 15.430 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.5	78.7

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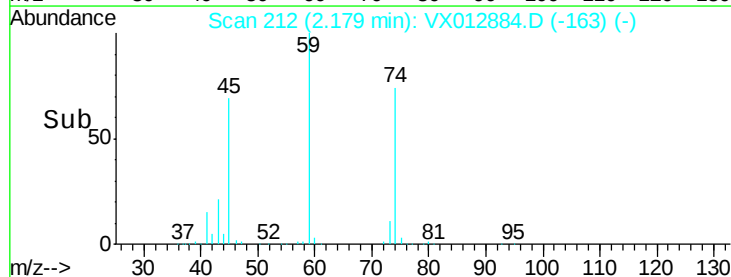
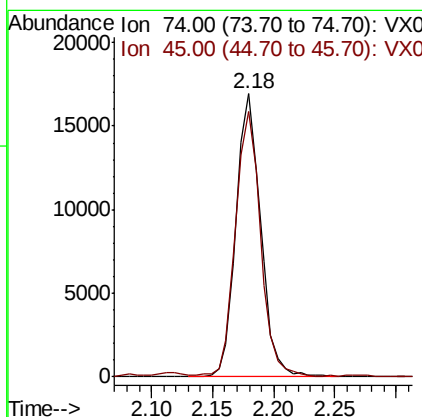
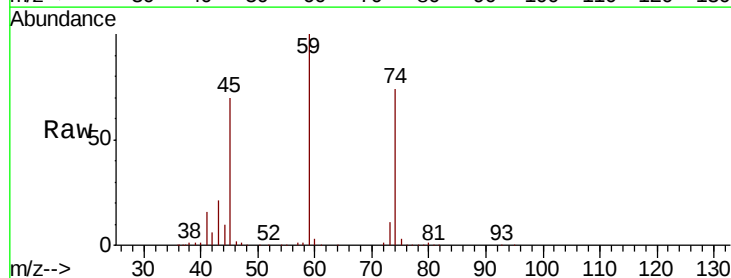
MMDadoda
10/9/2019 10:37:03 AM

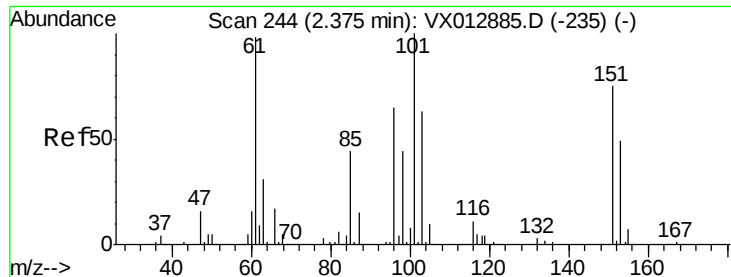


#8

Diethyl Ether
Concen: 15.311 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.040 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

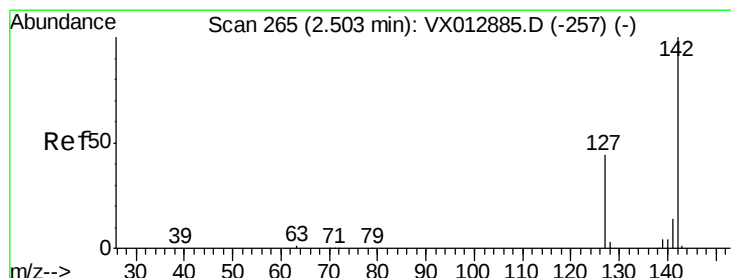
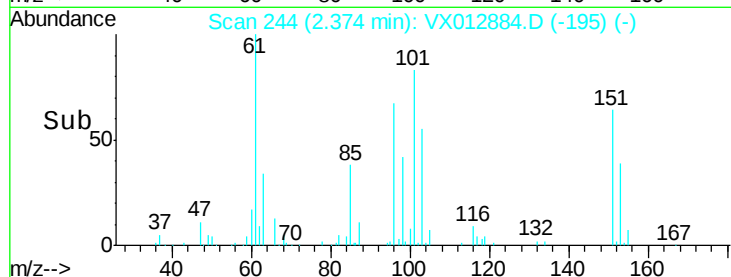
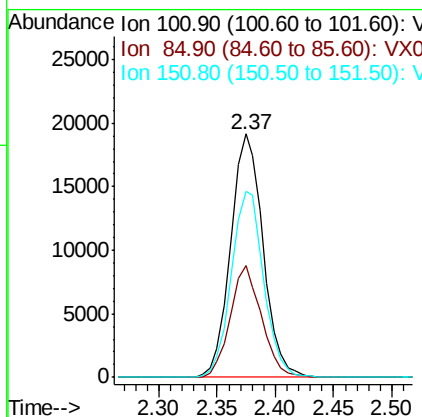
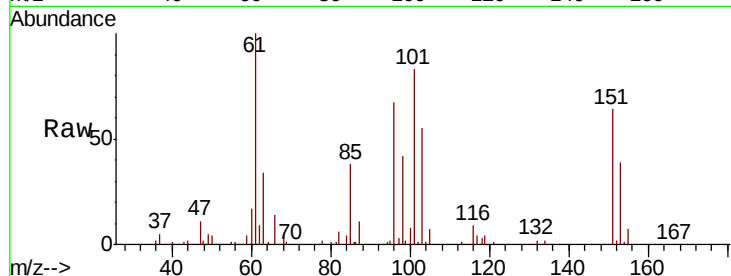
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	37037
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	76.7	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 14.368 ug/l

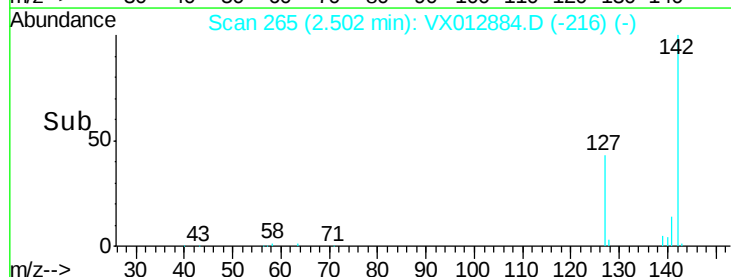
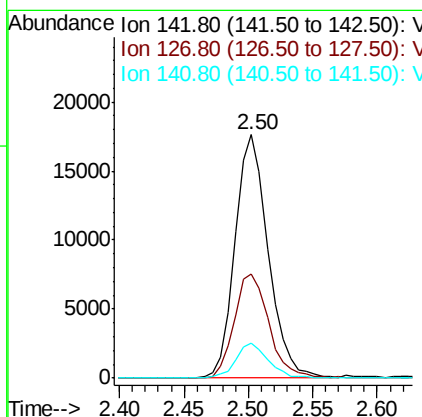
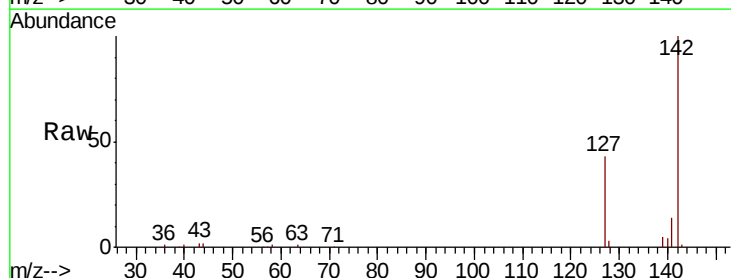
RT: 2.50 min Scan# 265

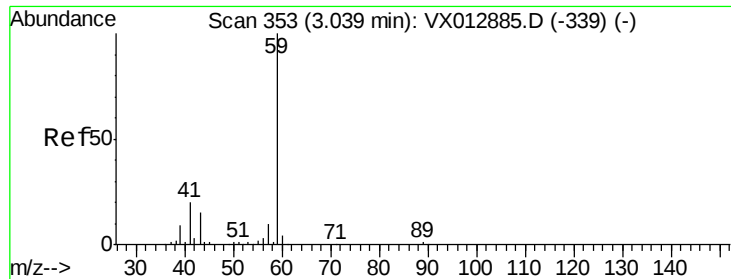
Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion:	142	Resp:	31523
Ion Ratio	Lower	Upper	
142	100		
127	44.7	34.9	52.3
141	14.1	11.6	17.4





#11

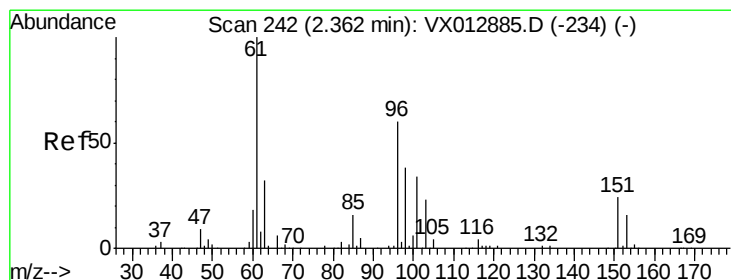
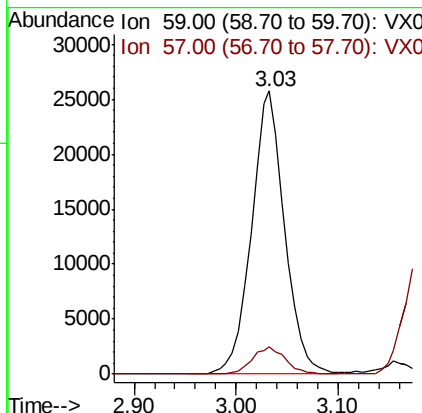
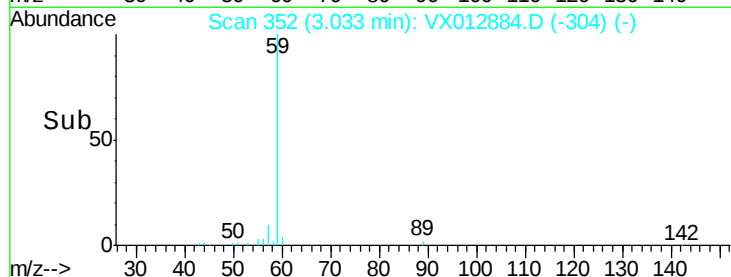
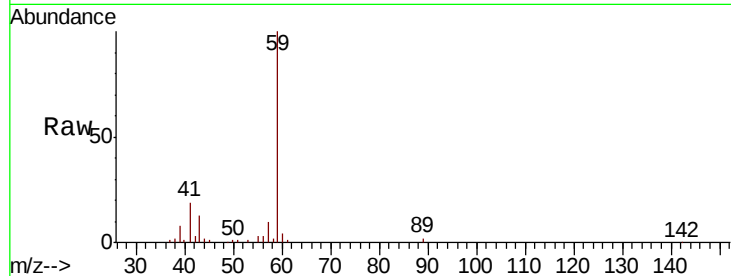
Tert butyl alcohol
Concen: 76.875 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	58007
Ion Ratio	100	Lower	Upper
57	9.7	8.3	12.5

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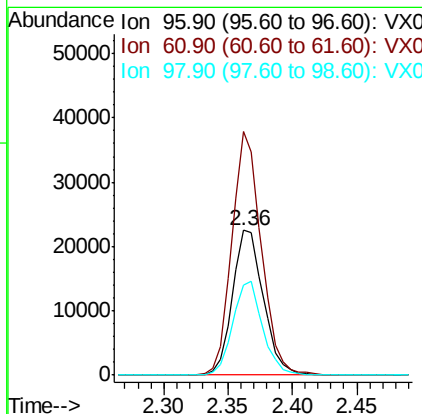
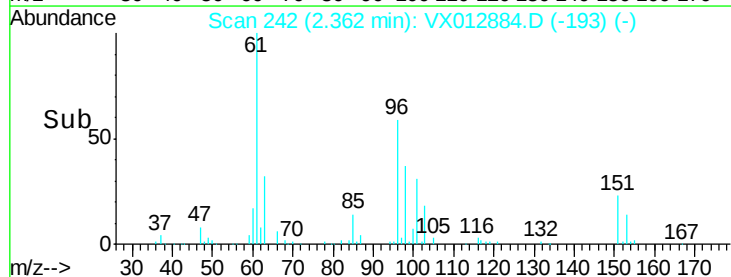
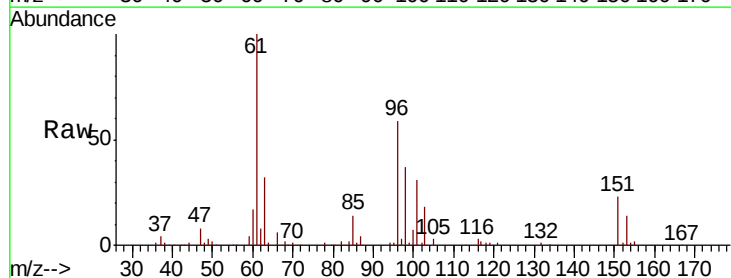
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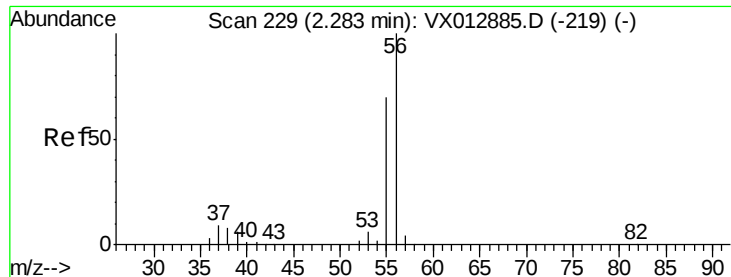


#12

1,1-Dichloroethene
Concen: 16.632 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	96	Resp	37589
Ion Ratio	100	Lower	Upper
61	168.5	132.2	198.4
98	62.7	50.5	75.7





#13

Acrolein

Concen: 105.087 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 43723

Ion Ratio Lower Upper

56 100

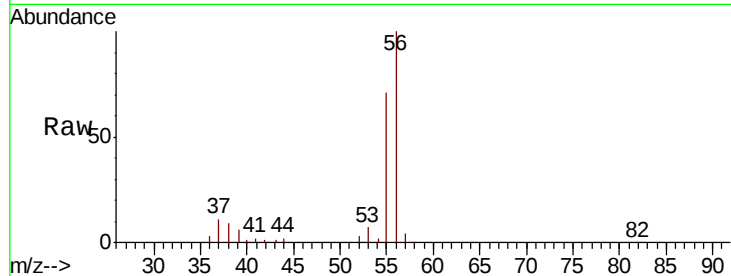
55 69.7 56.6 85.0

Manual Integrations

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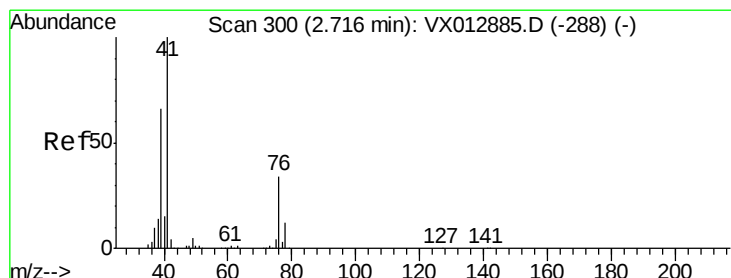
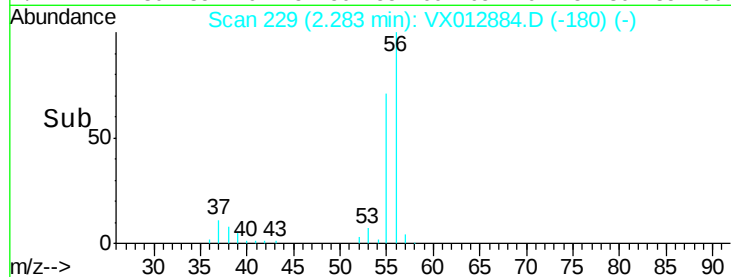
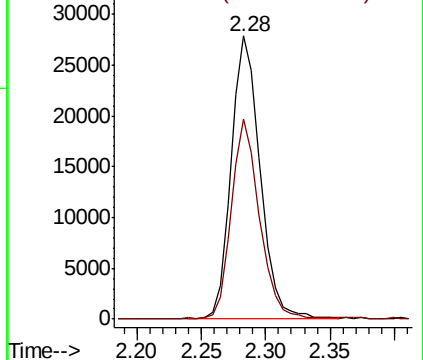
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 15.369 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

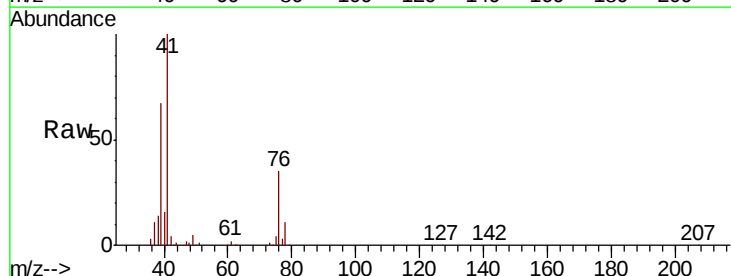
Tgt Ion: 41 Resp: 68149

Ion Ratio Lower Upper

41 100

39 63.1 51.0 76.6

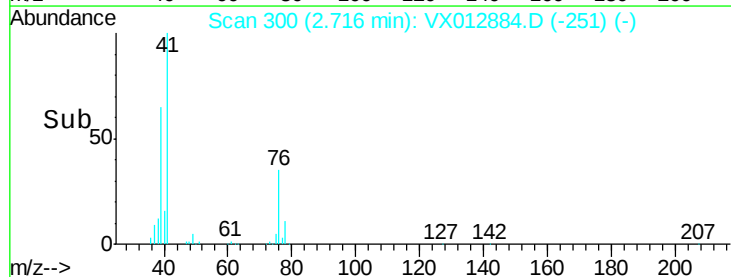
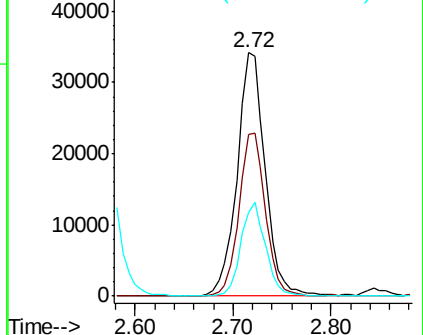
76 33.5 26.2 39.4

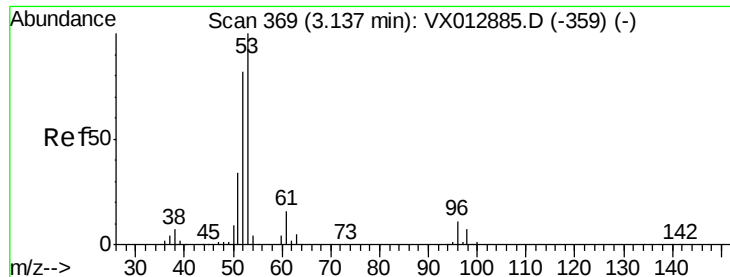


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 78.488 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

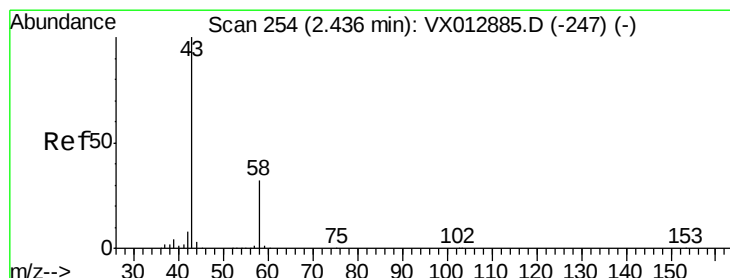
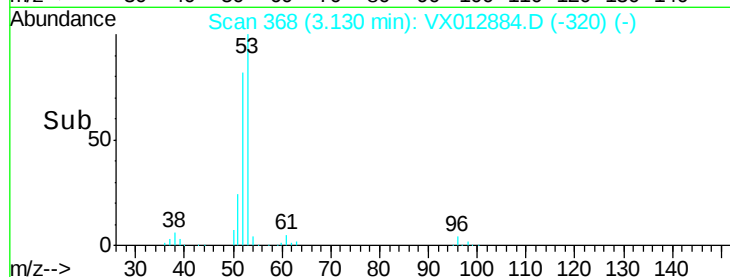
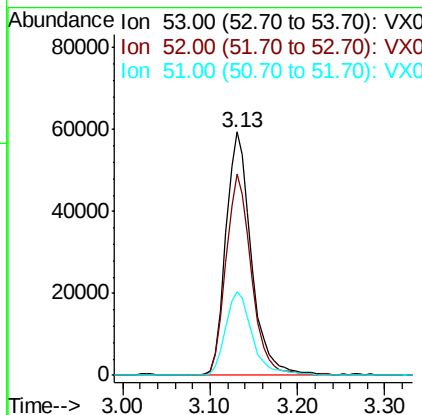
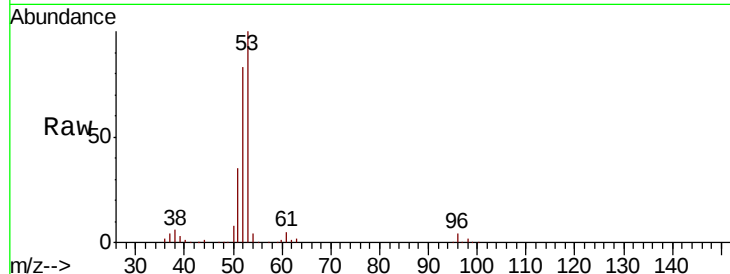
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	120488
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.2	99.2
51	35.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 84.019 ug/l

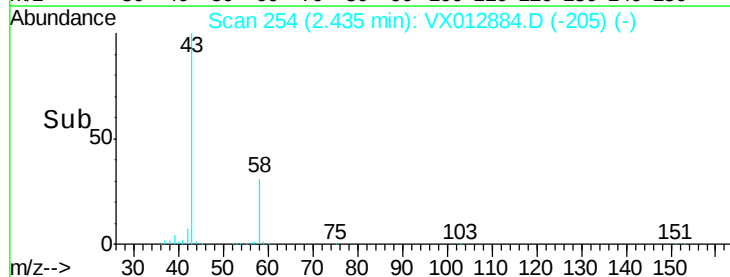
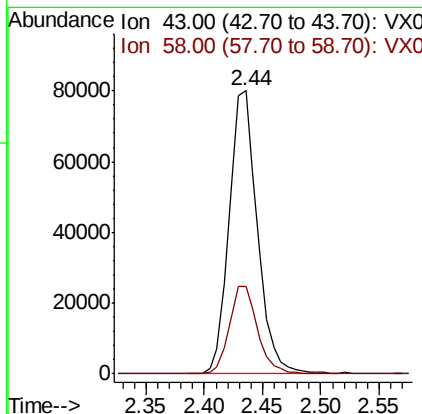
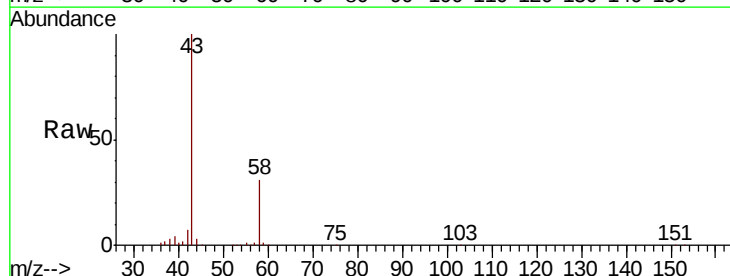
RT: 2.44 min Scan# 254

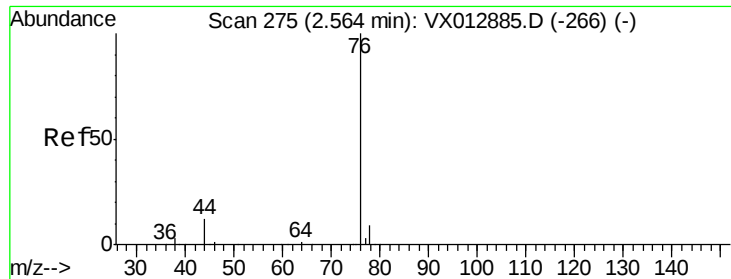
Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion:	43	Resp:	134473
Ion Ratio		Lower	Upper
43	100		
58	30.9	25.4	38.2





#17

Carbon Disulfide

Concen: 15.903 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 100937

Ion Ratio Lower Upper

76 100

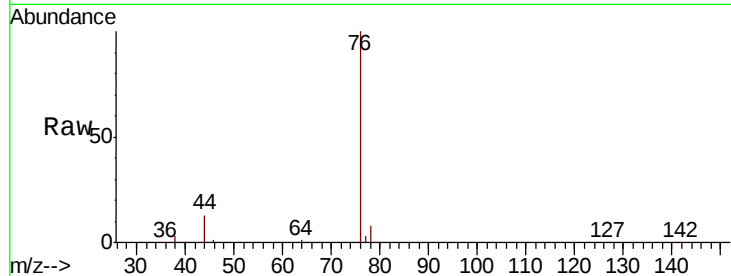
78 8.1 7.1 10.7

Manual Integrations

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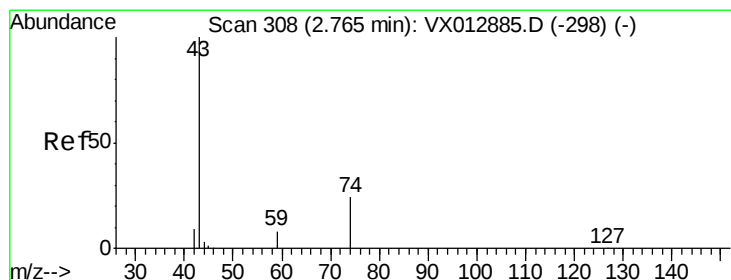
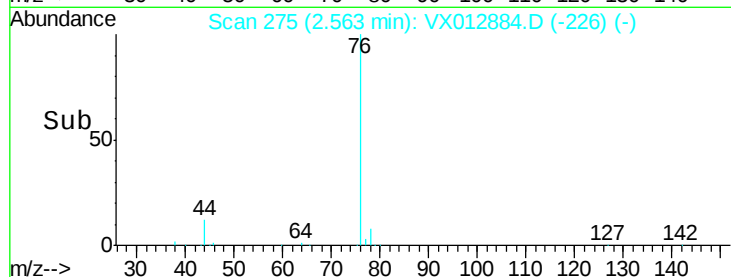
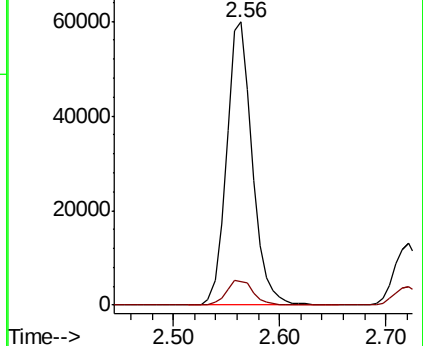
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 15.157 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012884.D

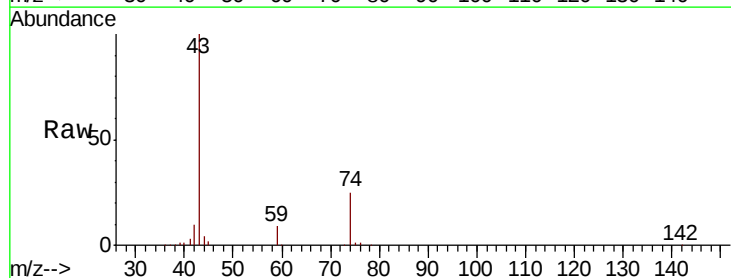
Acq: 08 Oct 2019 11:50

Tgt Ion: 43 Resp: 57324

Ion Ratio Lower Upper

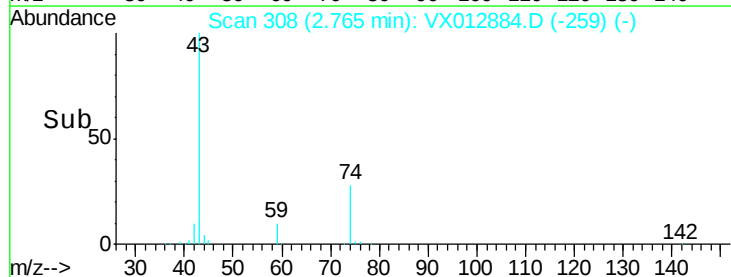
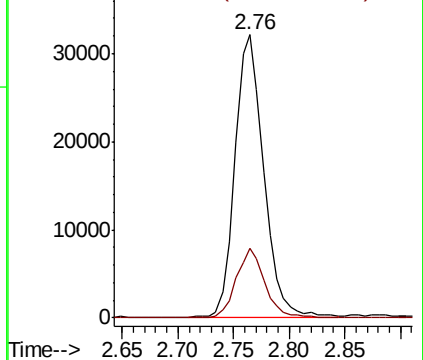
43 100

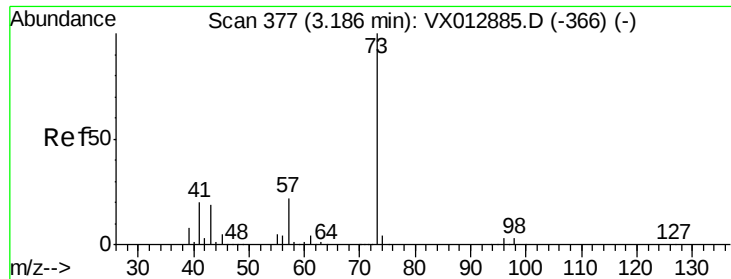
74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





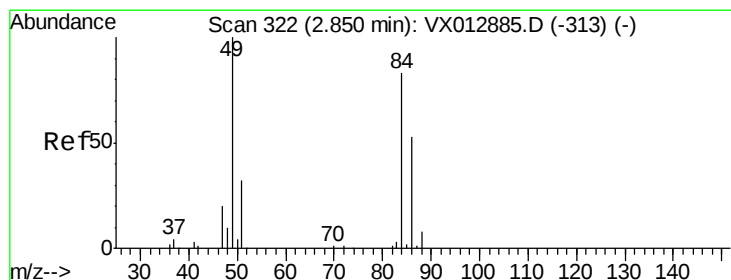
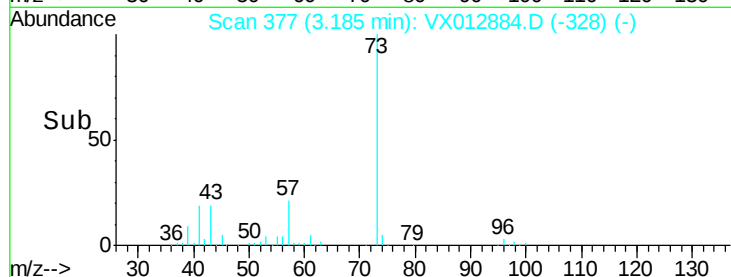
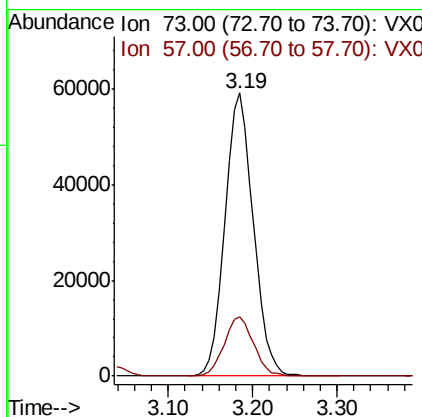
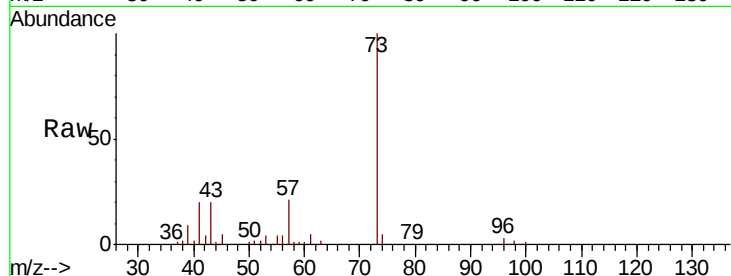
#19
Methyl tert-butyl Ether
Concen: 15.966 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.8	26.6

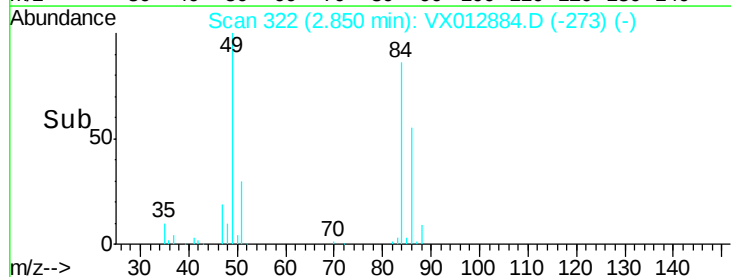
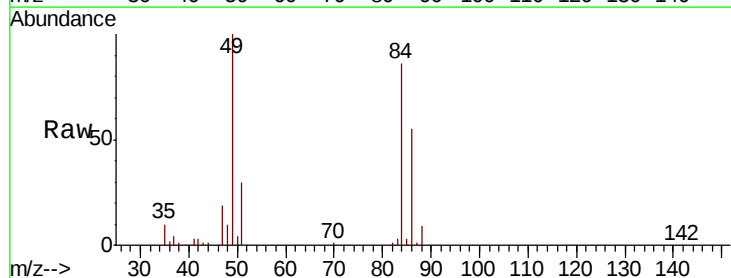
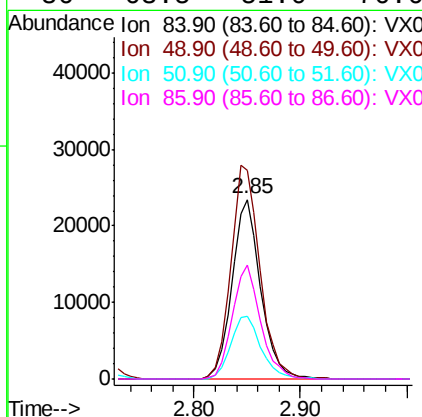
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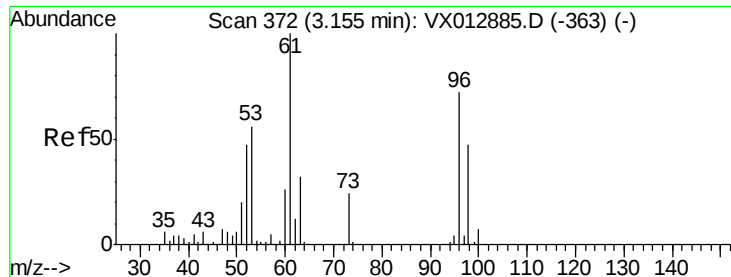
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#20
Methylene Chloride
Concen: 16.119 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	96.6	144.8
51	35.3	30.7	46.1
86	63.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 16.024 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

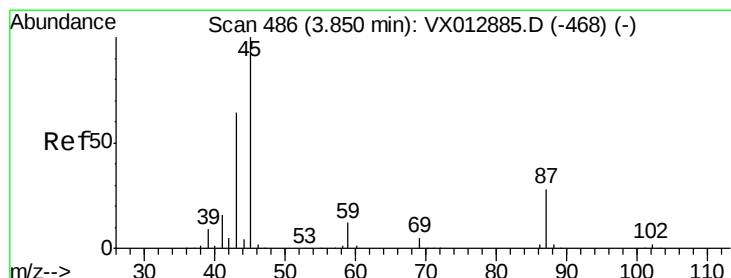
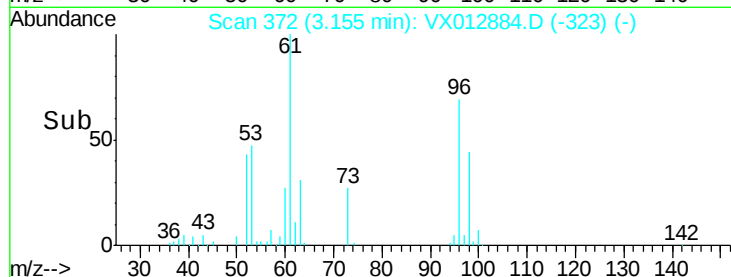
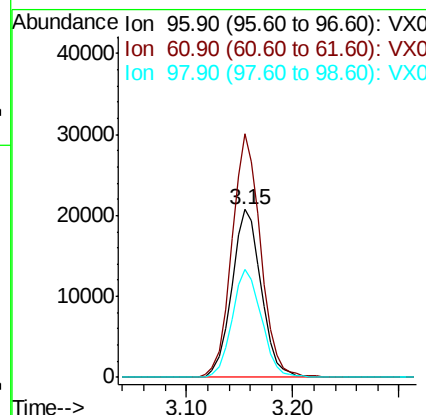
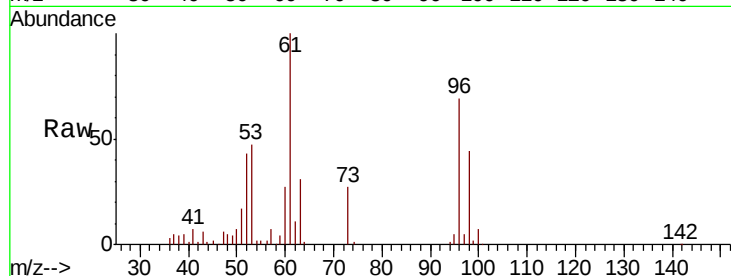
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	40061
Ion	Ratio	Lower	Upper
96	100		
61	145.4	110.4	165.6
98	64.7	51.5	77.3

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#22

Diisopropyl ether

Concen: 15.594 ug/l

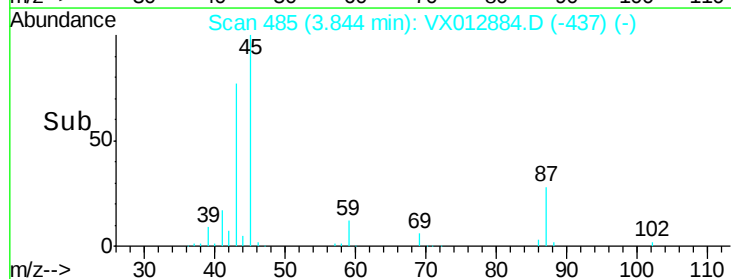
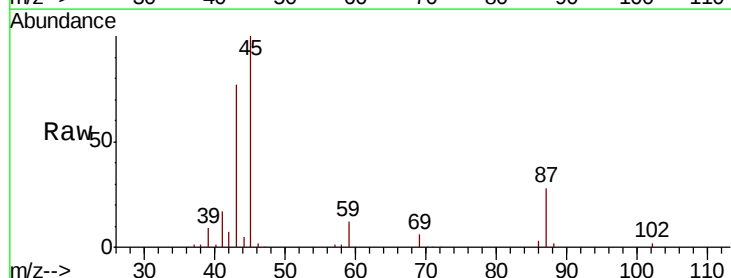
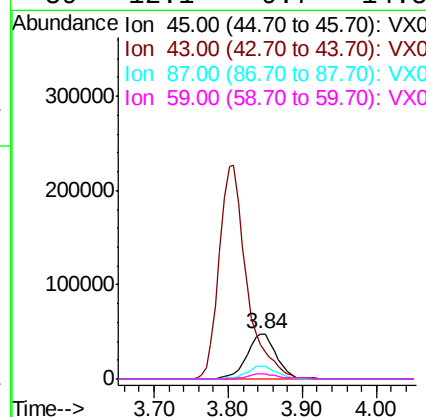
RT: 3.84 min Scan# 485

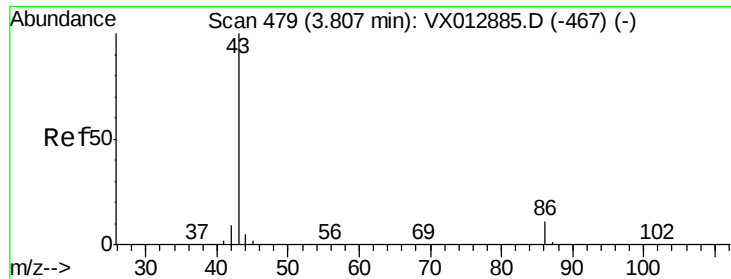
Delta R.T. -0.01 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion:	45	Resp:	133686
Ion	Ratio	Lower	Upper
45	100		
43	76.9	51.4	77.0
87	28.2	22.5	33.7
59	12.1	9.7	14.5





#23

Vinyl Acetate

Concen: 78.075 ug/l

RT: 3.81 min Scan# 479

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 585031

Ion Ratio Lower Upper

43 100

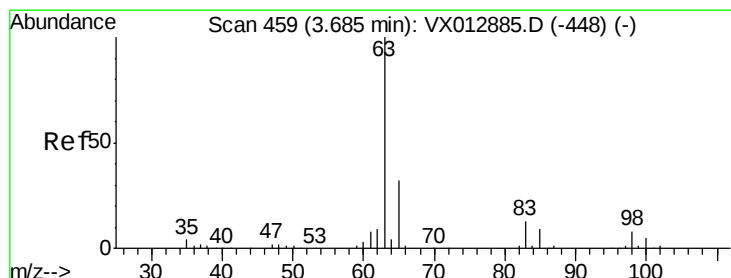
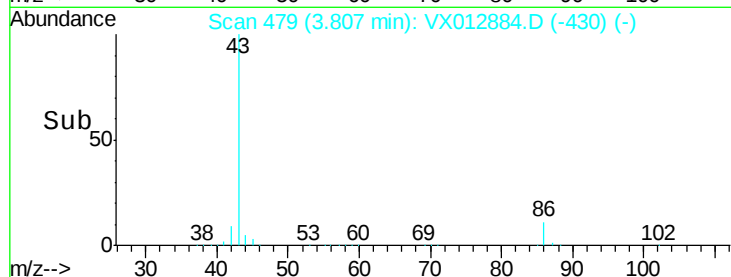
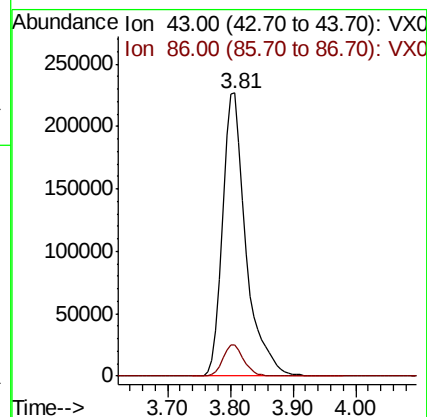
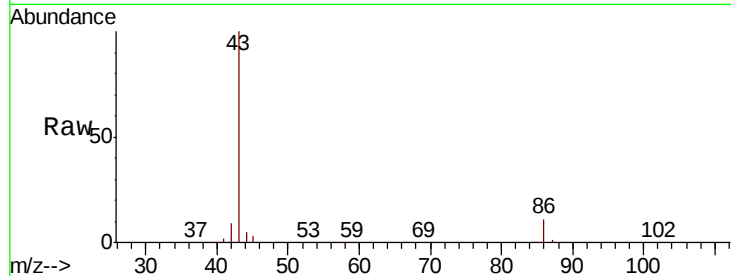
86 10.8 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 15.996 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

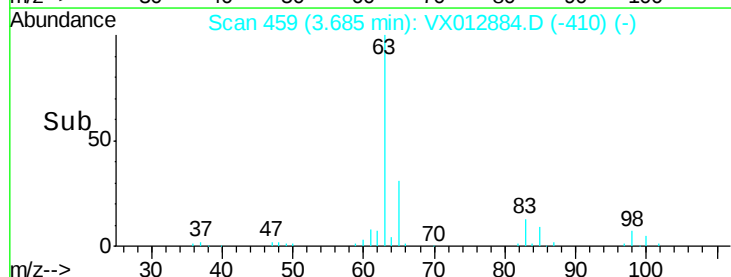
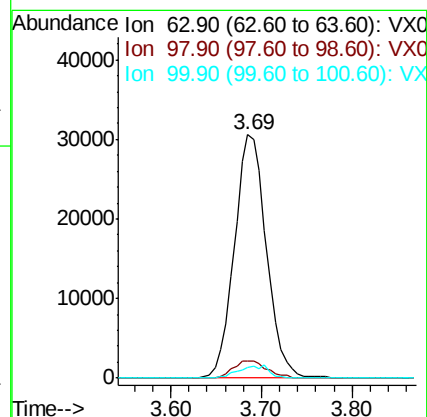
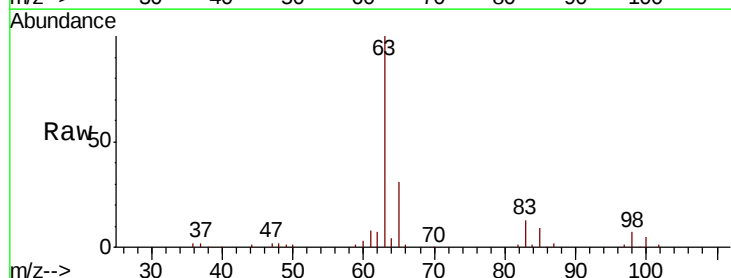
Tgt Ion: 63 Resp: 74707

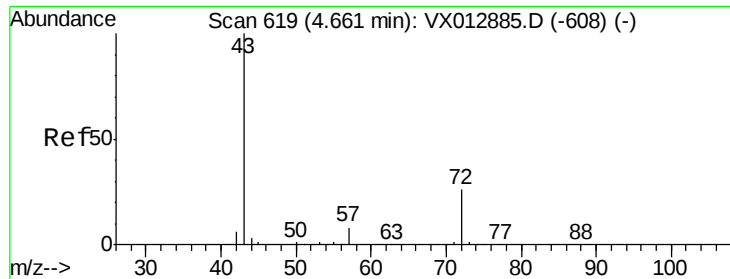
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.5

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 77.499 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 177478

Ion Ratio Lower Upper

43 100

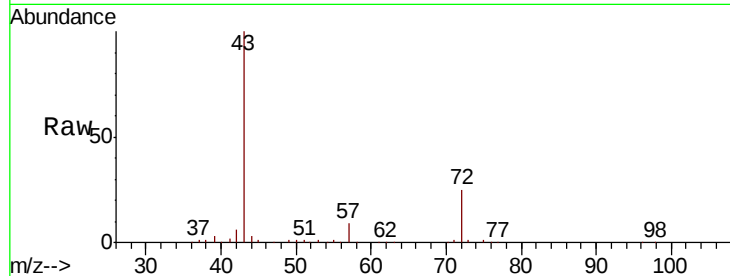
72 25.0 21.0 31.6

Manual Integrations

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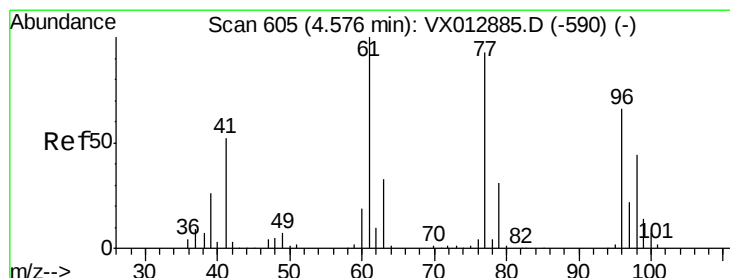
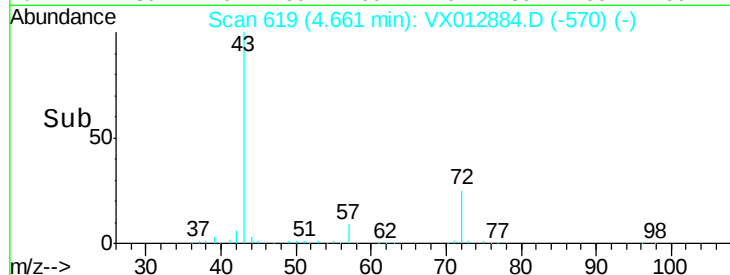
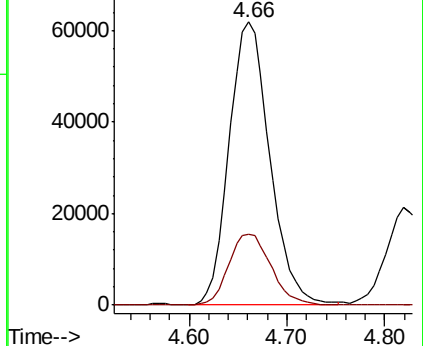
MMDadoda

10/9/2019 10:37:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.739 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX012884.D

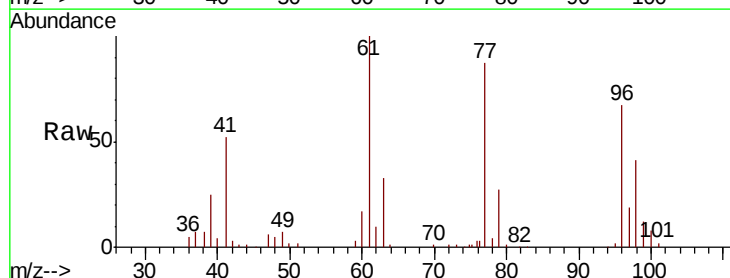
Acq: 08 Oct 2019 11:50

Tgt Ion: 77 Resp: 60911

Ion Ratio Lower Upper

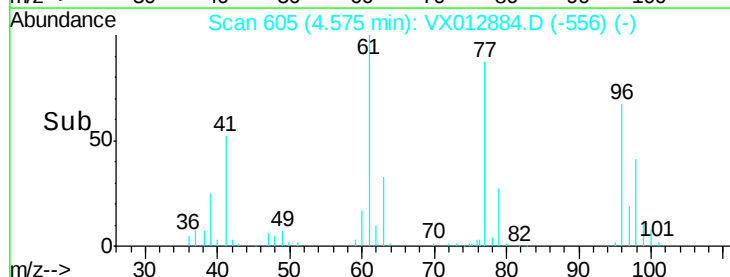
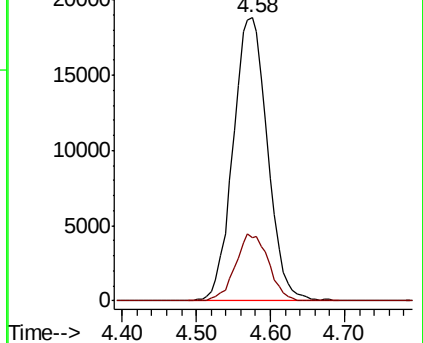
77 100

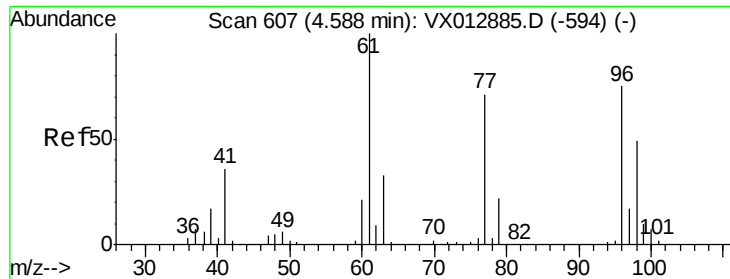
97 22.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

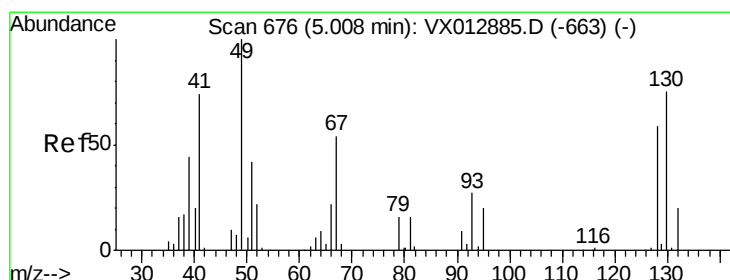
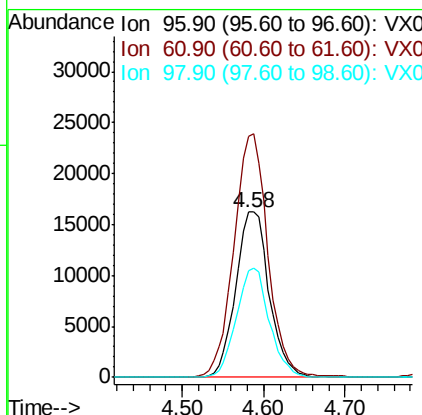
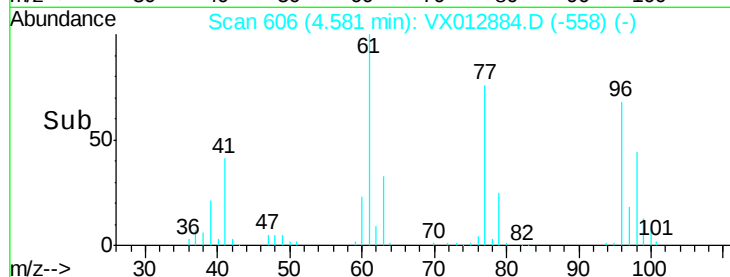
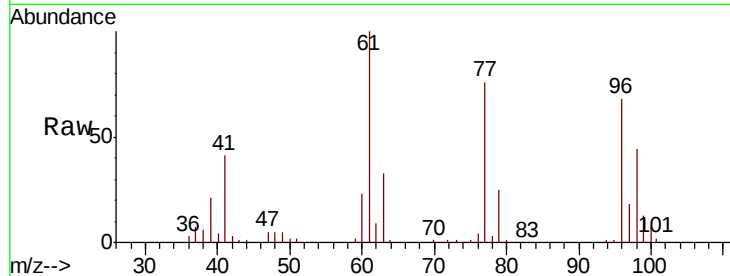
cis-1,2-Dichloroethene
Concen: 15.913 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	290.6
98	64.8	0.0	128.8

Manual Integrations
APPROVED

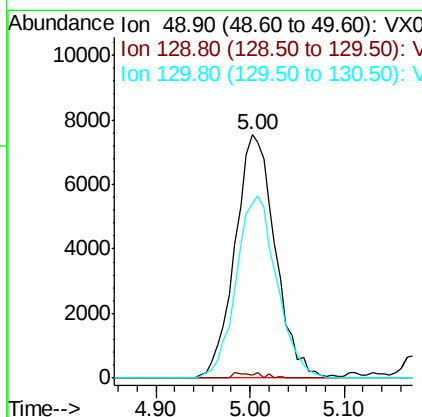
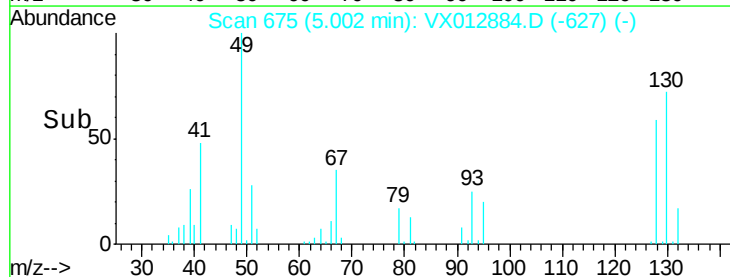
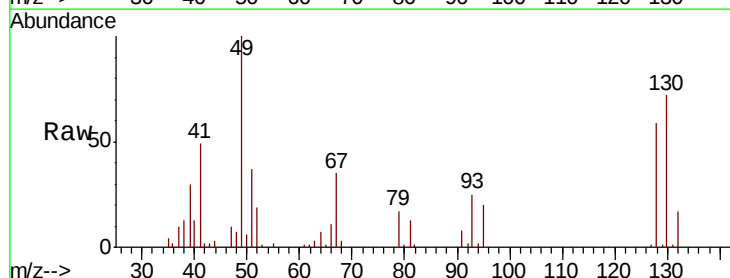
MMDadoda
10/9/2019 10:37:03 AM

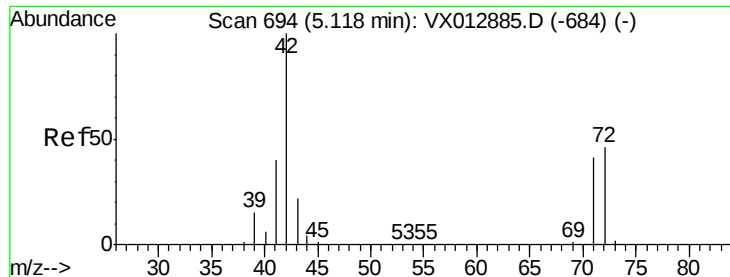


#28

Bromochloromethane
Concen: 13.614 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	75.2	62.1	93.1





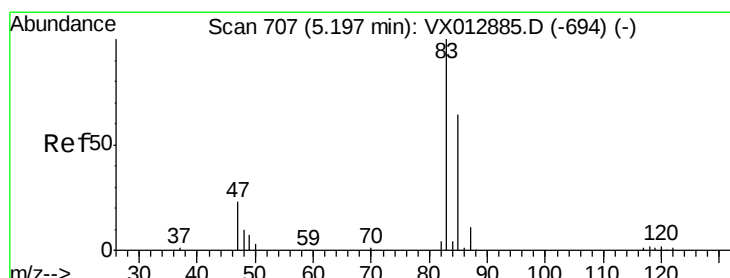
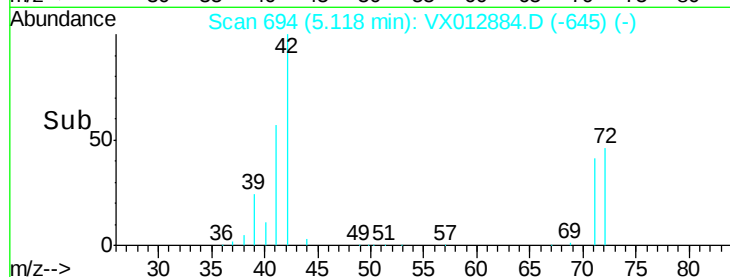
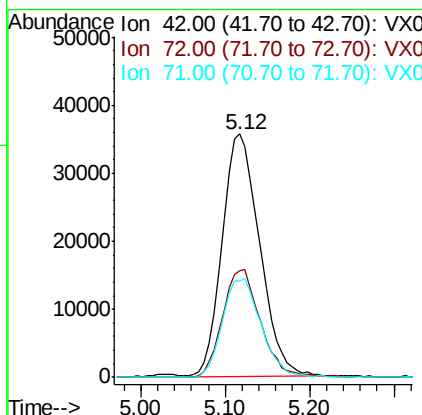
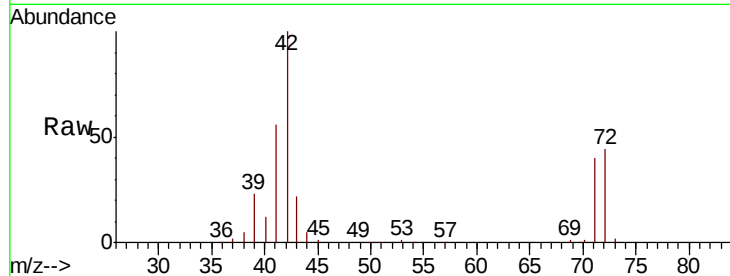
#29
Tetrahydrofuran
Concen: 77.804 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.9	55.3
71	41.6	33.5	50.3

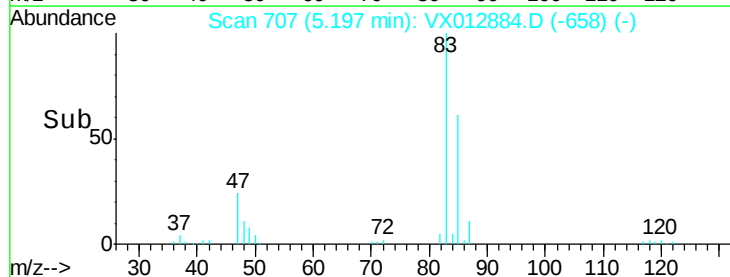
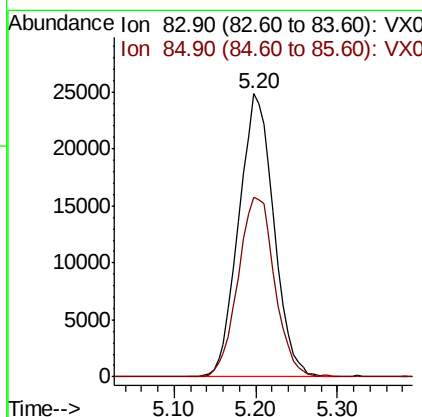
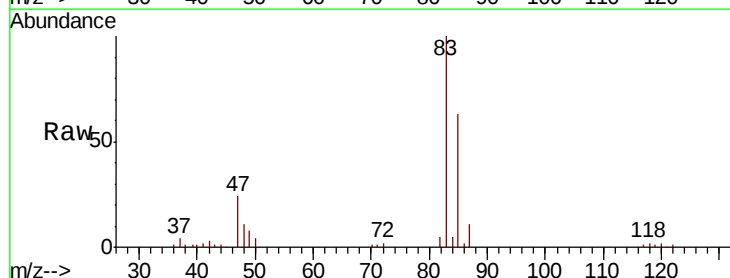
Manual Integrations
APPROVED

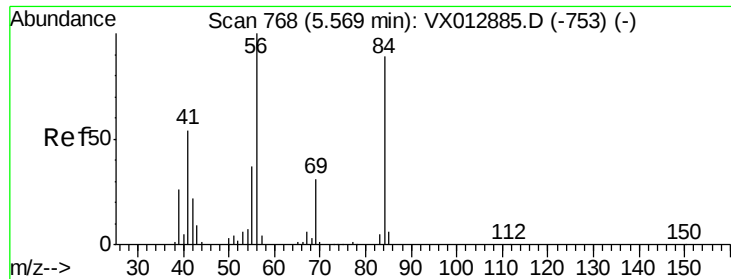
MMDadoda
10/9/2019 10:37:03 AM



#30
Chloroform
Concen: 15.482 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3





#31

Cyclohexane

Concen: 15.970 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

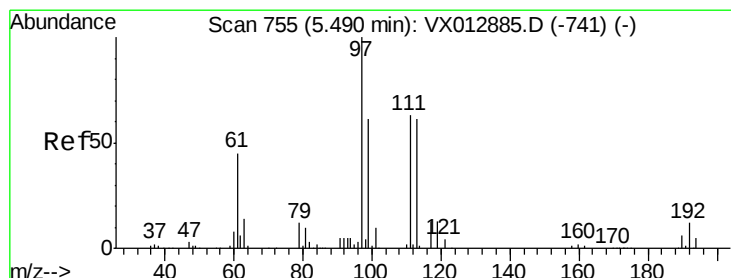
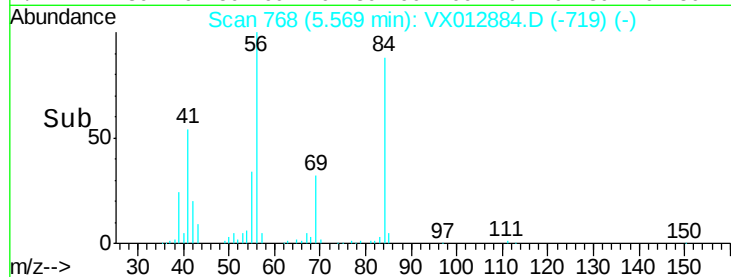
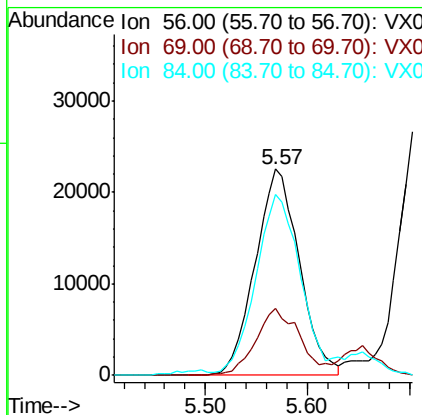
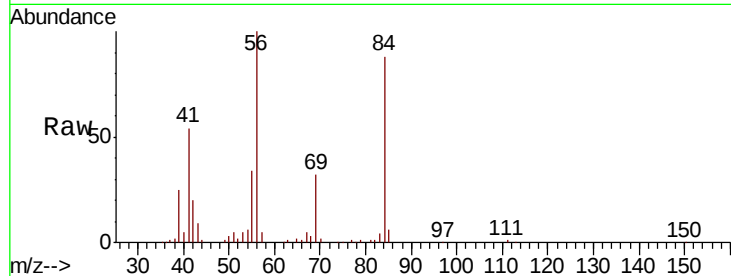
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	67688
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.2	37.8
84	86.1	71.3	106.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 15.370 ug/l

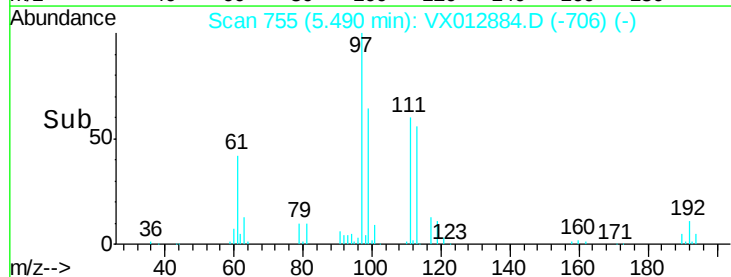
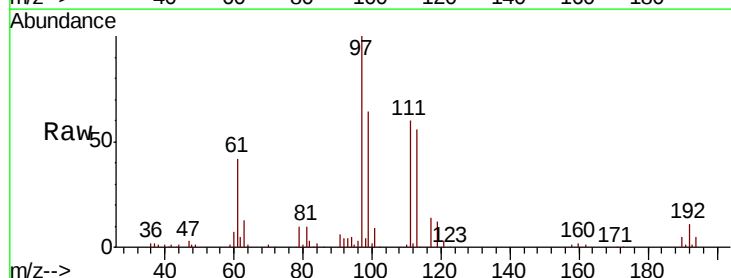
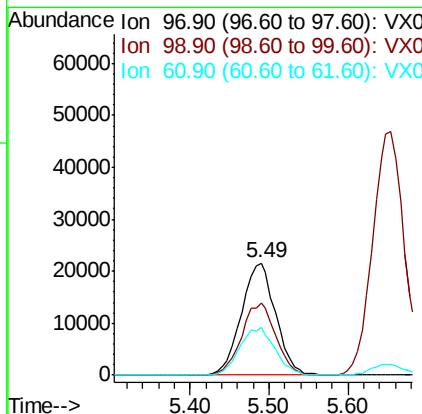
RT: 5.49 min Scan# 755

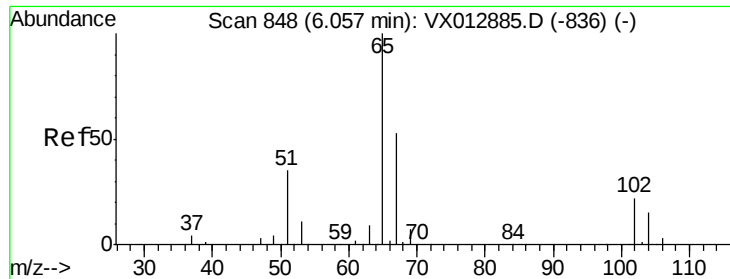
Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion:	97	Resp:	64900
Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.3	78.5
61	43.7	35.0	52.4





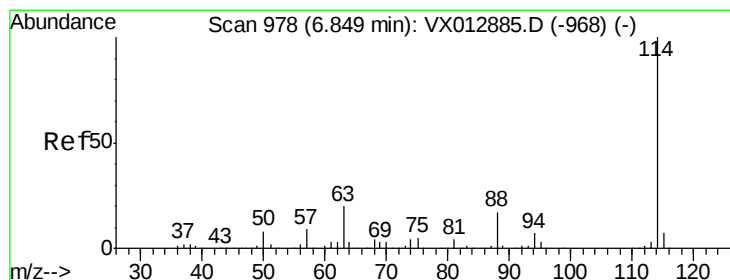
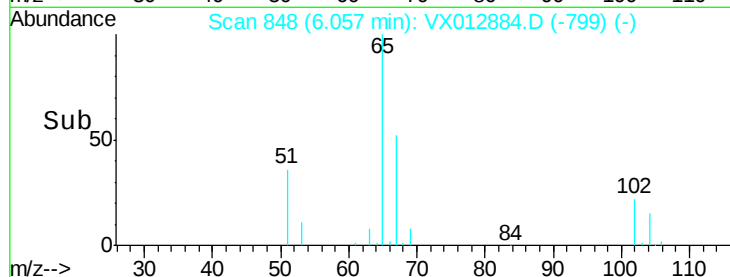
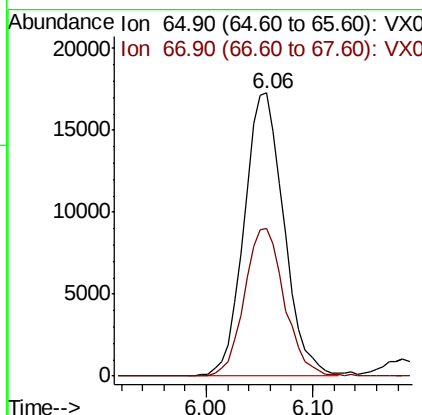
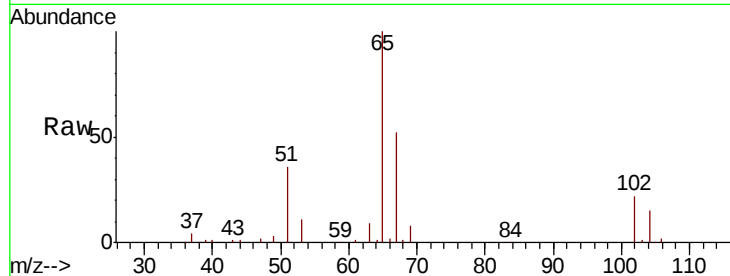
#33
 1,2-Dichloroethane-d4
 Concen: 15.023 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.4

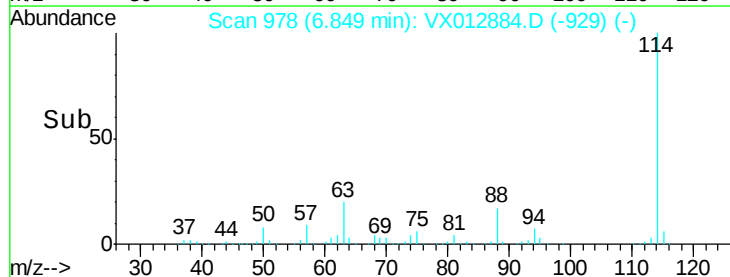
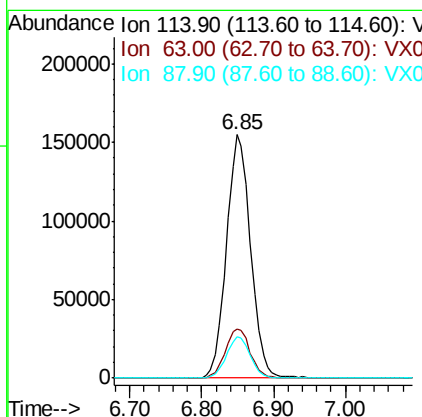
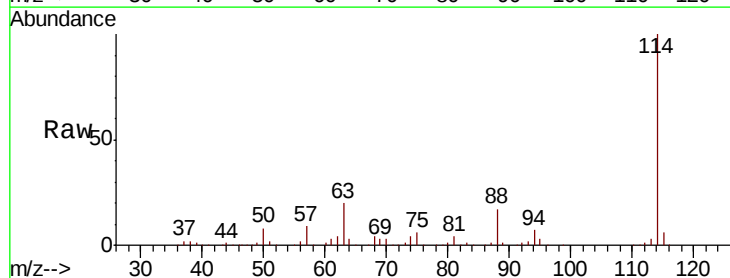
Manual Integrations
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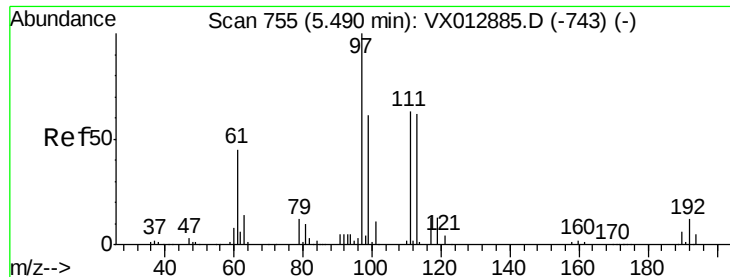
MMDadoda
 10/9/2019 10:37:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	16.8	0.0	33.8





#35

Dibromofluoromethane

Concen: 16.063 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

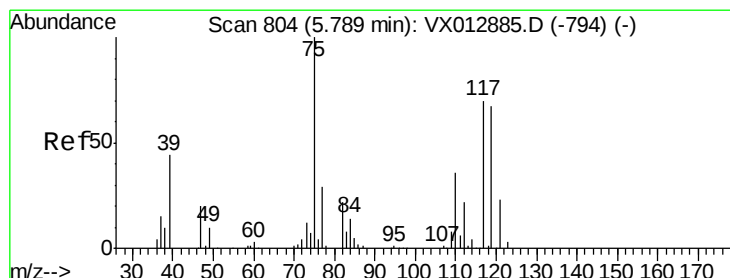
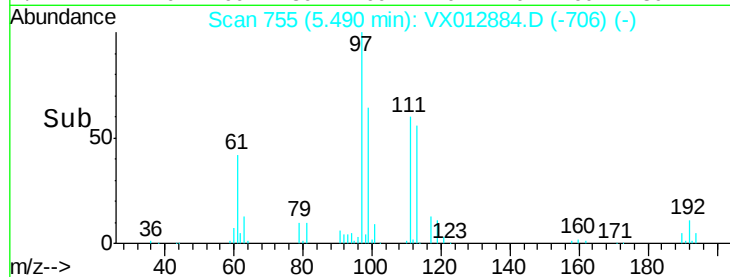
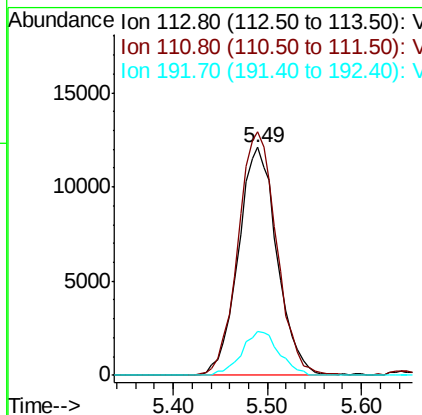
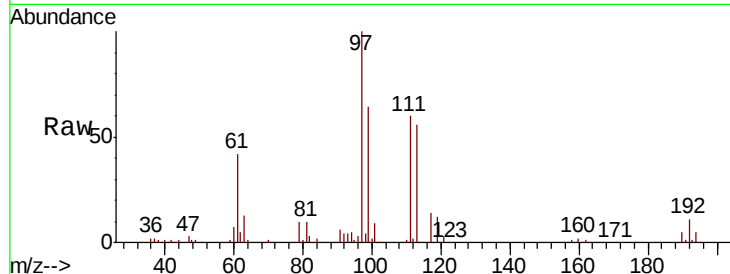
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	34810		
111	106.3	83.2	124.8	
192	18.6	15.4	23.2	

Manual Integrations
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10/9/2019 10:37:03 AM



#36

1,1-Dichloropropene

Concen: 15.622 ug/l

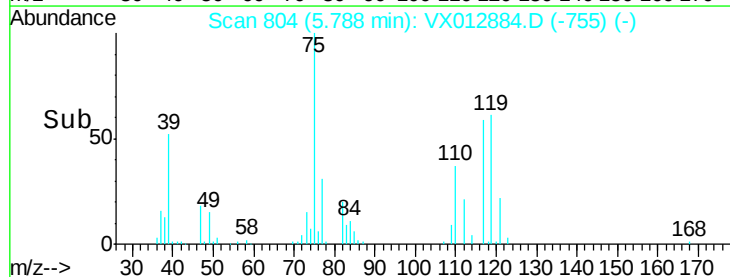
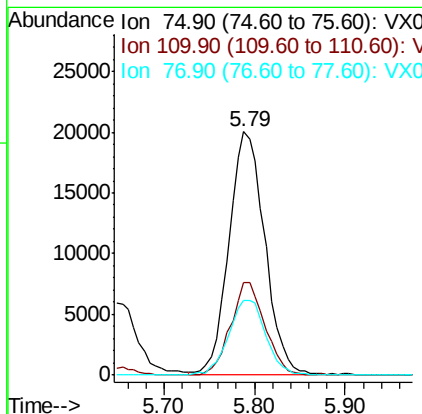
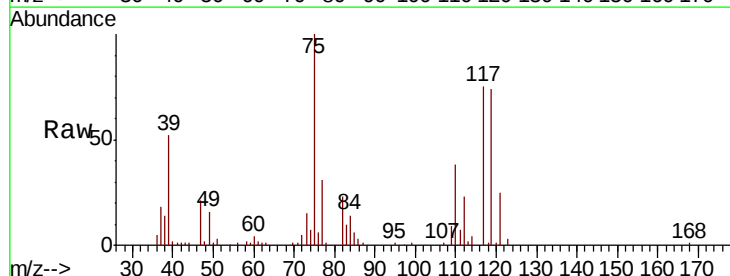
RT: 5.79 min Scan# 804

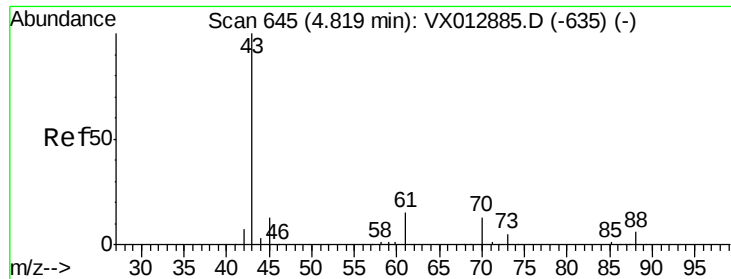
Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54757		
110	36.6	17.6	52.9	
77	32.0	24.4	36.6	





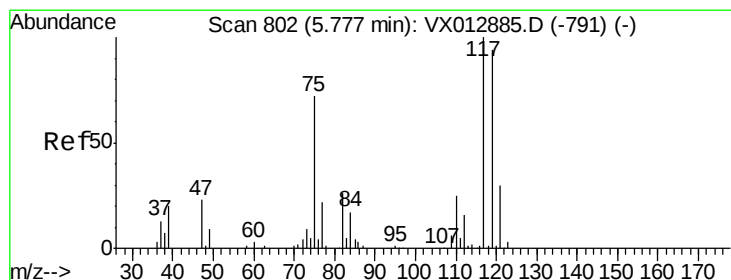
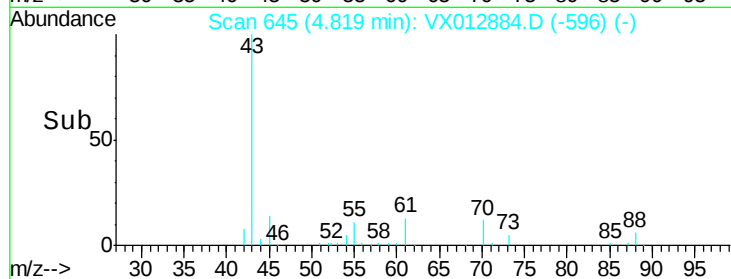
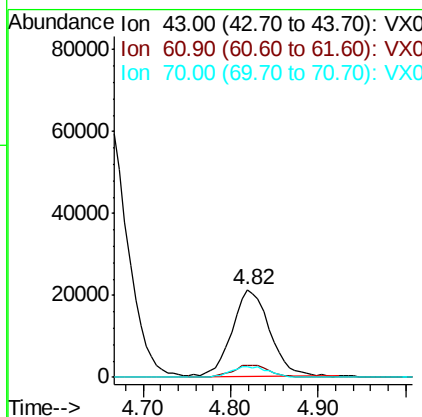
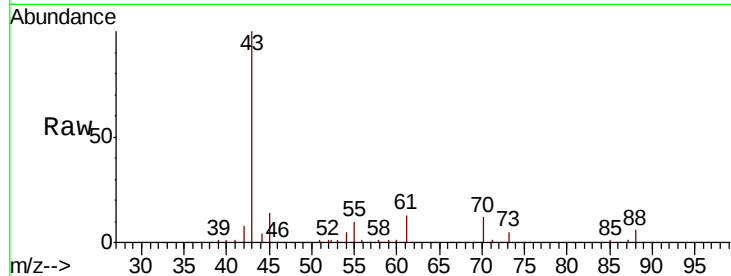
#37
Ethyl Acetate
Concen: 15.598 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.4	17.0
70	12.5	9.8	14.6

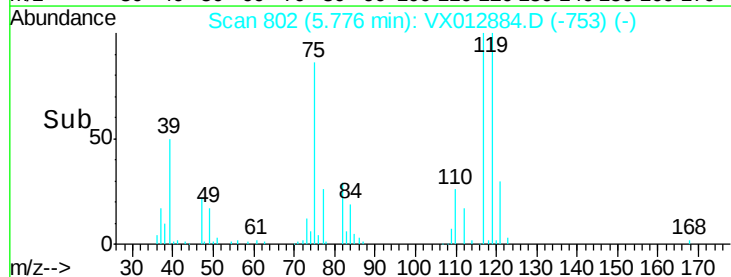
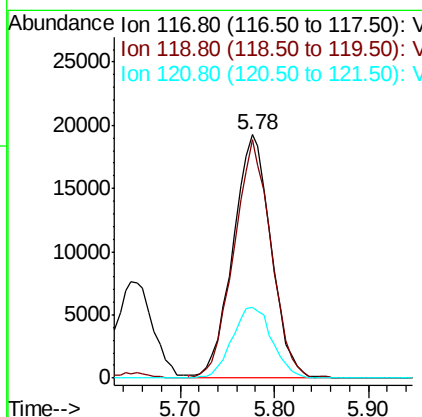
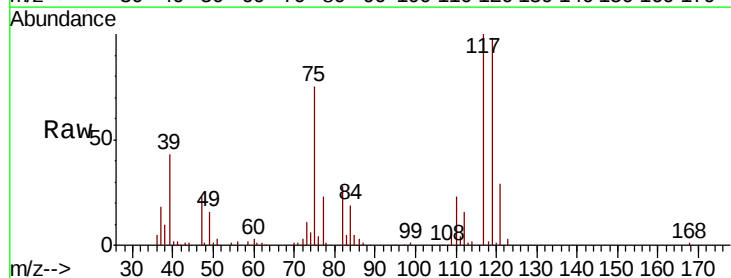
Manual Integrations
APPROVED

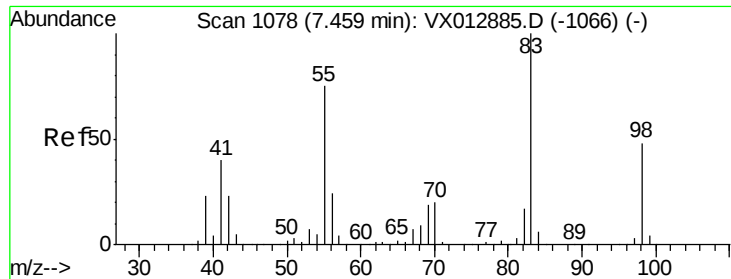
MMDadoda
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#38
Carbon Tetrachloride
Concen: 15.434 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	74.5	111.7
121	29.2	24.2	36.4





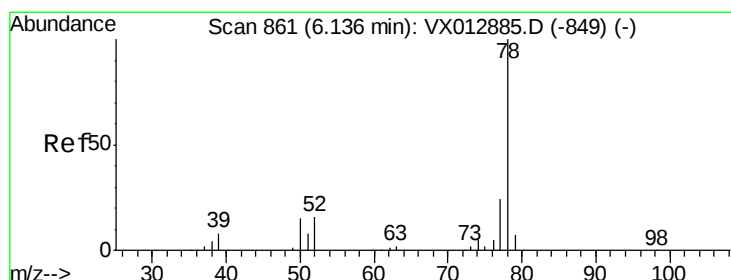
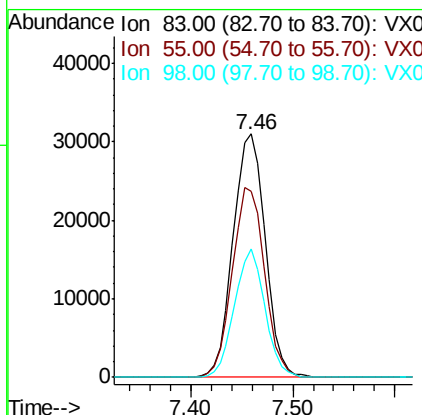
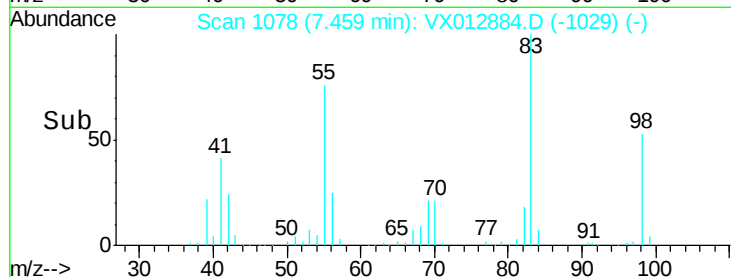
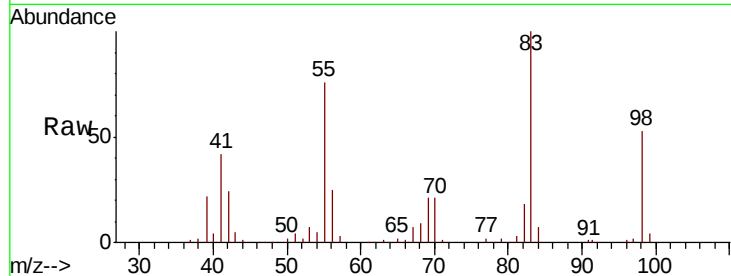
#39
Methvlcvclohexane
Concen: 16.024 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	60.2	90.4
98	52.9	38.5	57.7

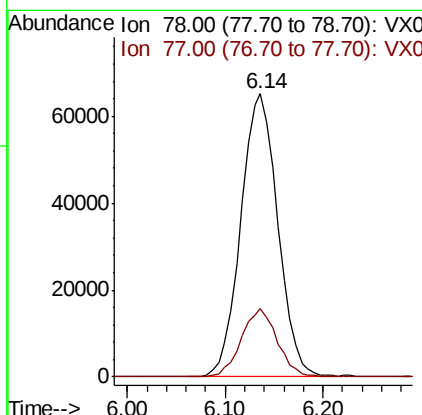
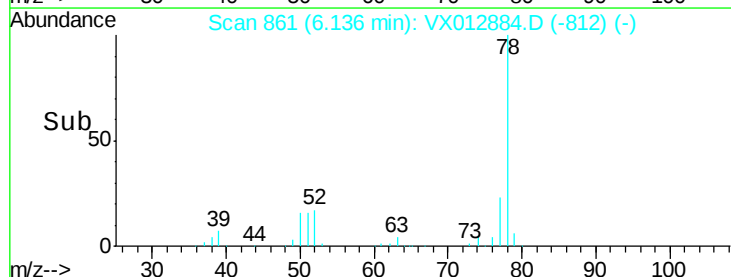
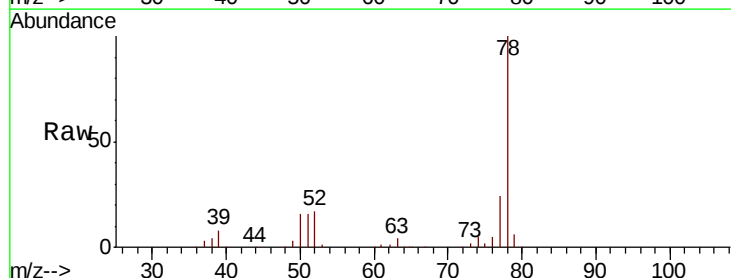
Manual Integrations
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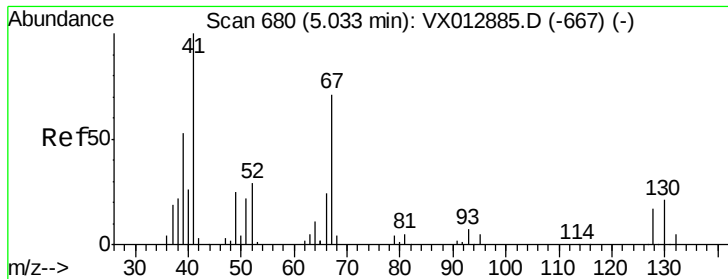
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#40
Benzene
Concen: 16.658 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 15.484 ug/l

RT: 5.03 min Scan# 680

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

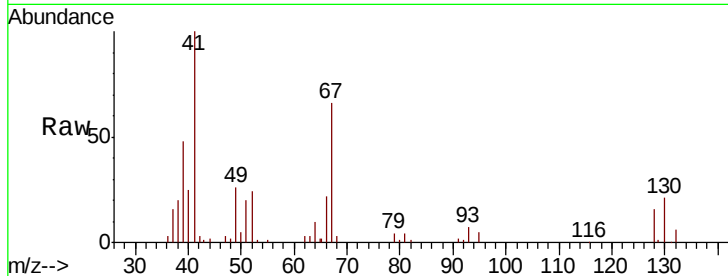
VSTDIC020

Tot Ion: 41 Resp: 35018

Ion	Ratio	Lower	Upper
41	100		
39	54.0	44.0	66.0
67	71.8	58.5	87.7
52	29.8	23.8	35.8

Manual Integrations
APPROVED

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10/9/2019 10:37:03 AM



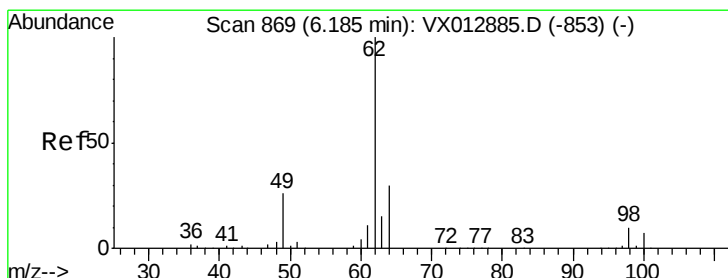
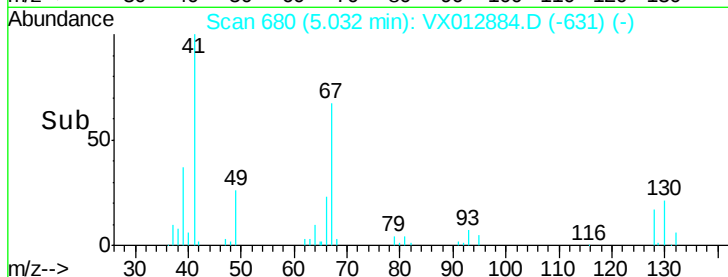
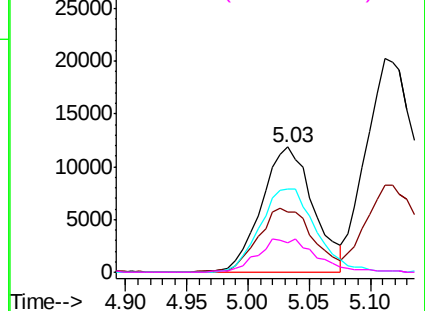
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 15.775 ug/l

RT: 6.18 min Scan# 869

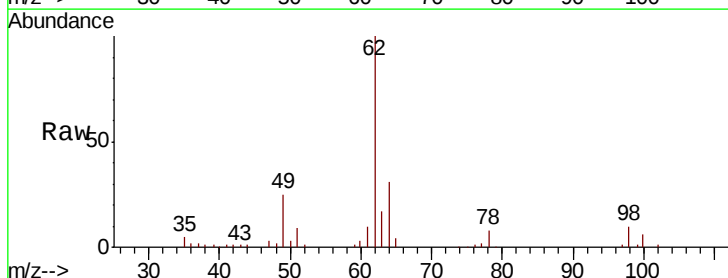
Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion: 62 Resp: 61076

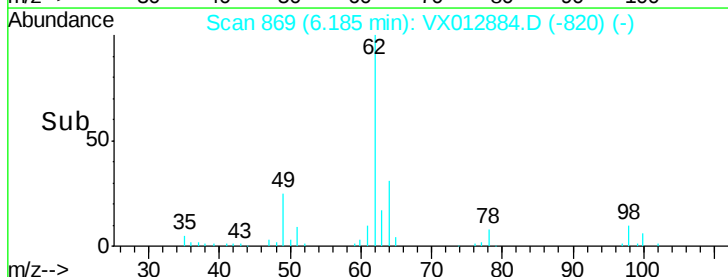
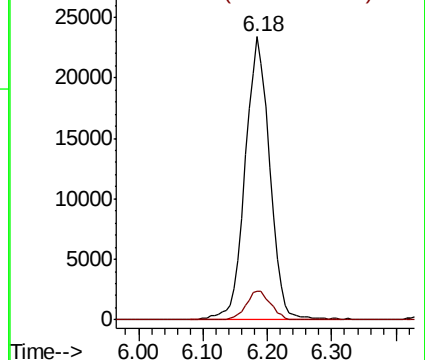
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4

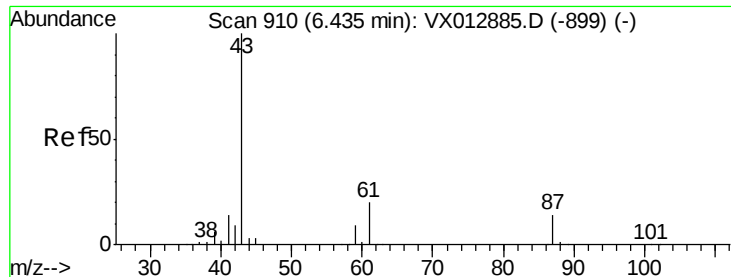


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

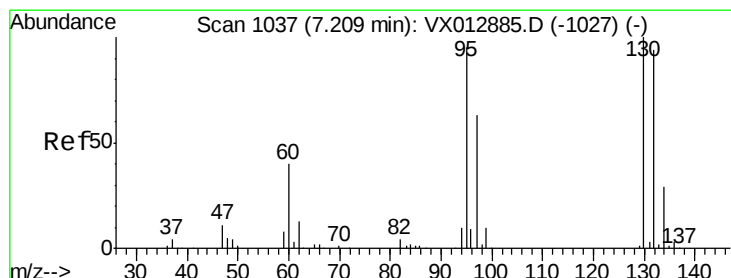
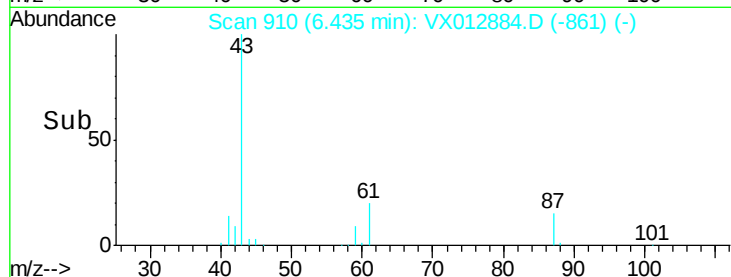
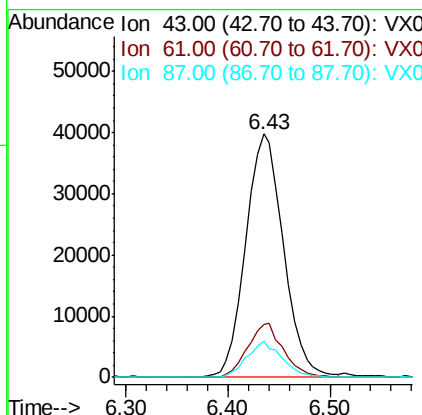
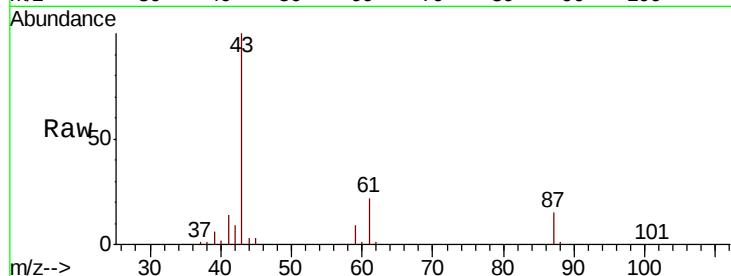
Isopropyl Acetate
 Concen: 15.157 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	13.8	11.0	16.6

Manual Integrations
 APPROVED

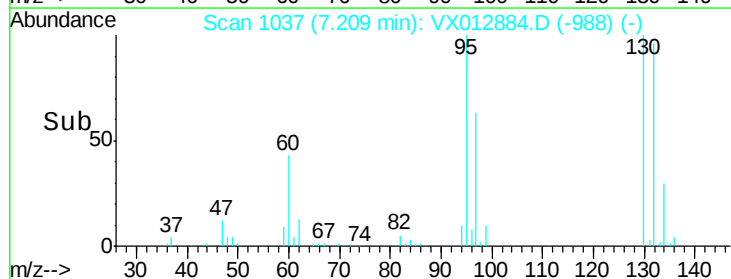
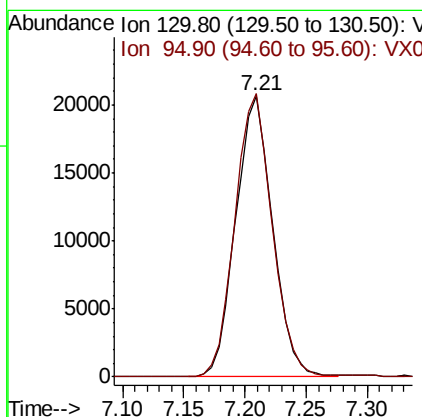
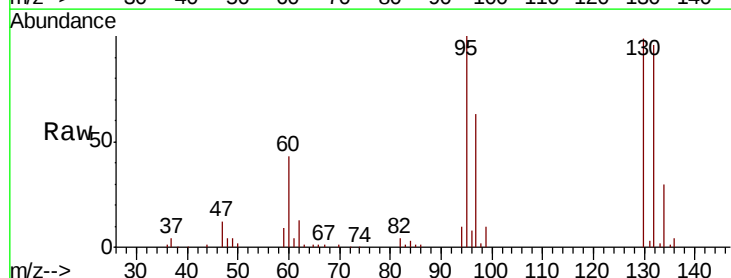
MMDadoda
 10/9/2019 10:37:03 AM

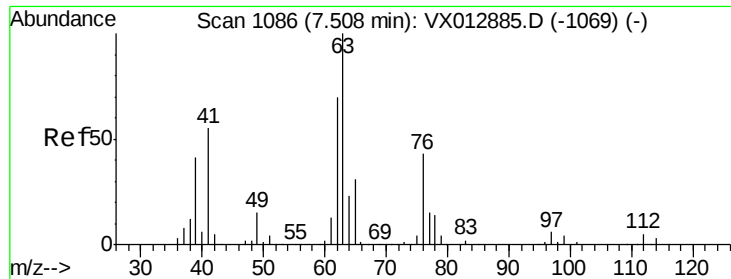


#44

Trichloroethene
 Concen: 16.312 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	189.2





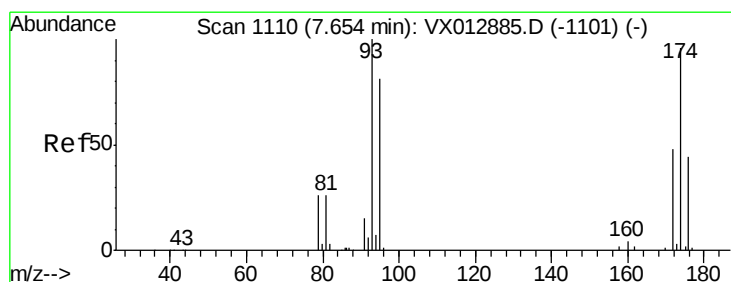
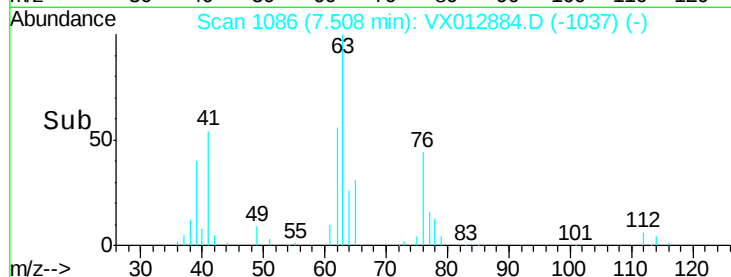
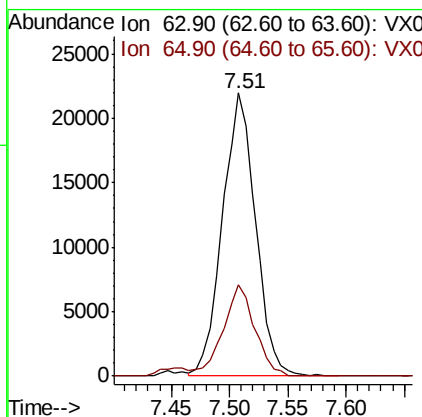
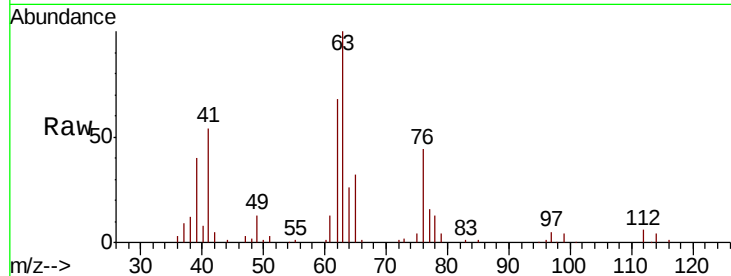
#45
 1,2-Dichloropropane
 Concen: 16.443 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion: 63 Resp: 43294
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 37.0

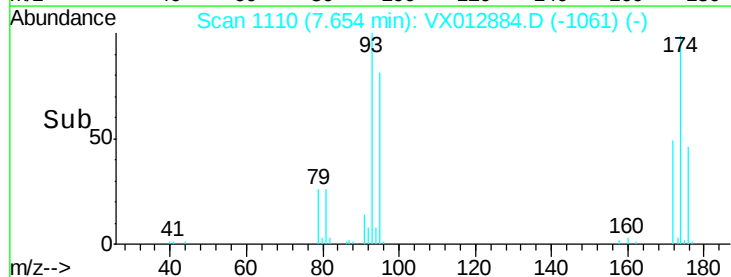
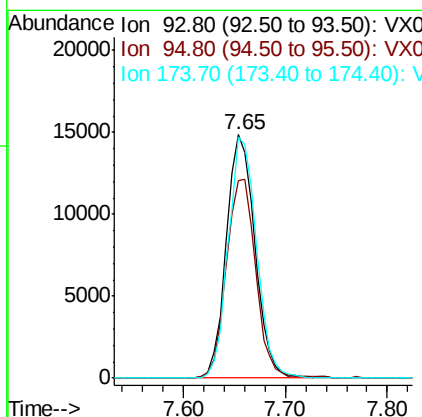
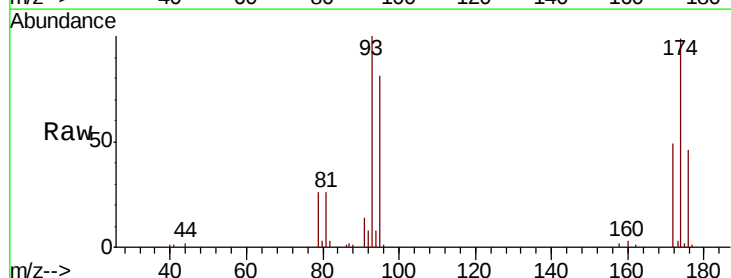
Manual Integrations
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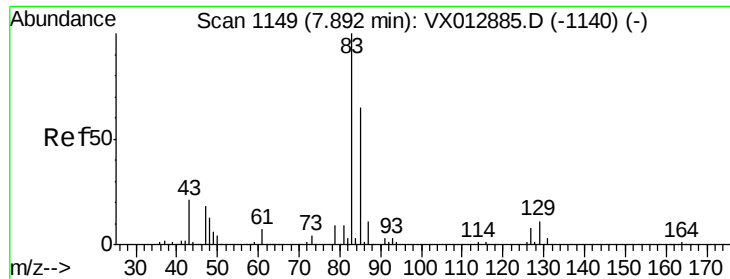
MMDadoda
 10/9/2019 10:37:03 AM



#46
 Dibromomethane
 Concen: 16.096 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Tgt Ion: 93 Resp: 28814
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.3 99.5
 174 98.1 77.8 116.6





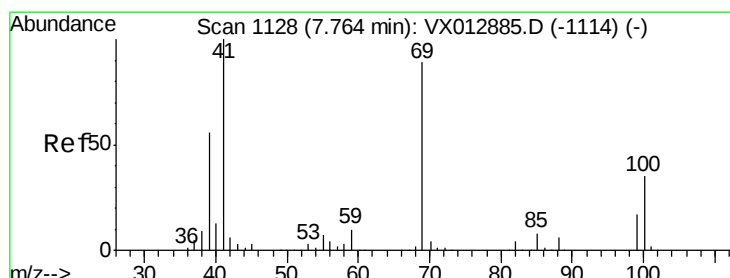
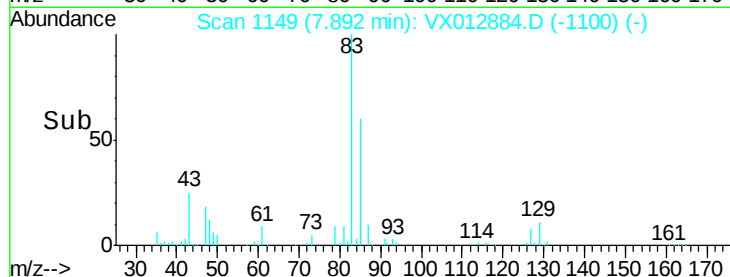
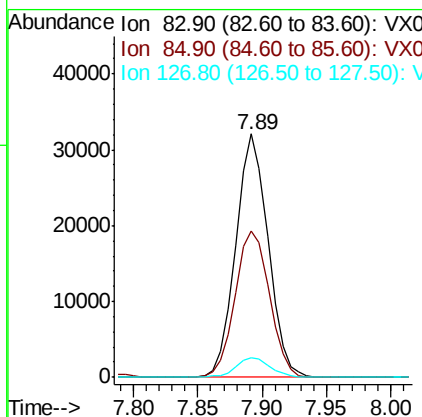
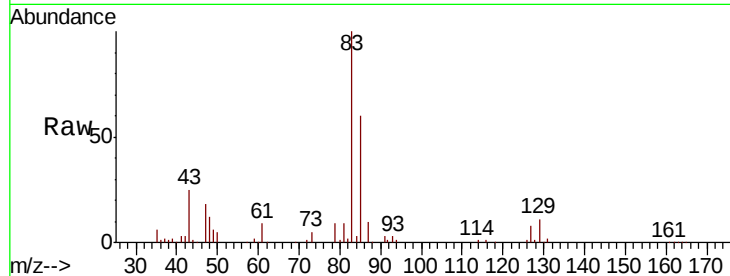
#47
Bromodichloromethane
Concen: 15.710 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	55927		
85	59.9		52.4	78.6
127	8.3		6.6	10.0

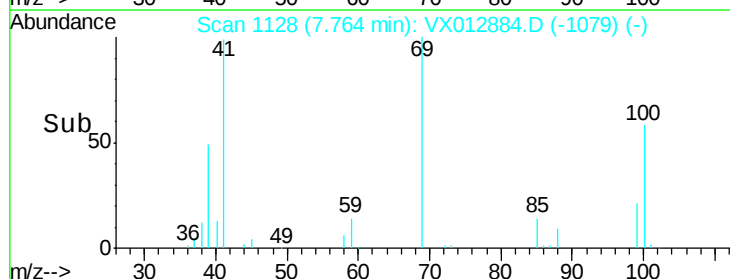
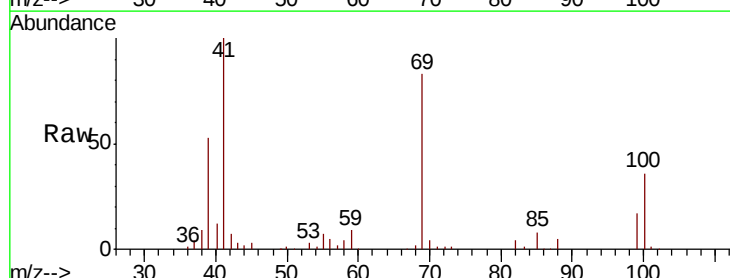
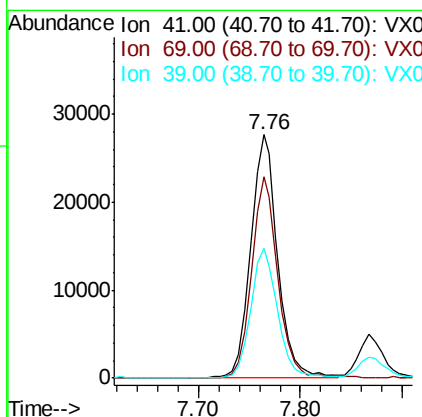
Manual Integrations
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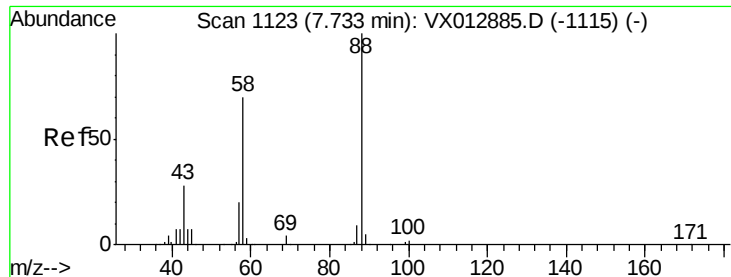
MMDadoda
10/9/2019 10:37:03 AM



#48
Methyl methacrylate
Concen: 15.799 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	51102		
69	80.1		68.7	103.1
39	53.4		44.3	66.5





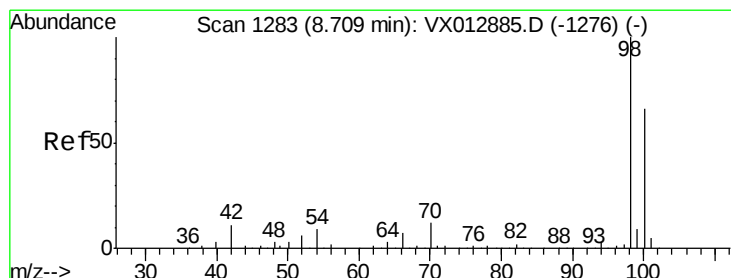
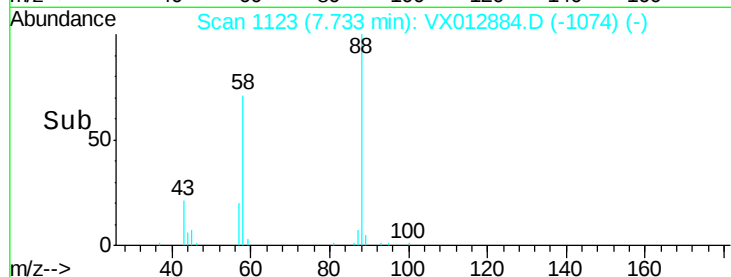
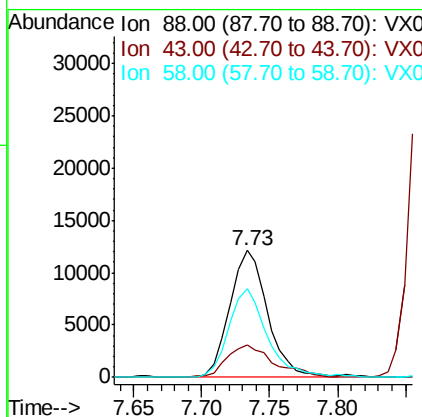
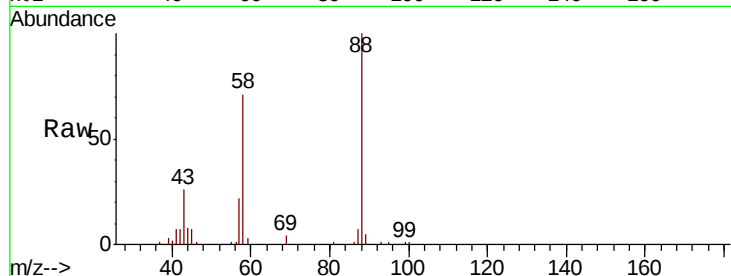
#49
 1,4-Dioxane
 Concen: 316.294 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.0	37.6
58	71.2	55.4	83.2

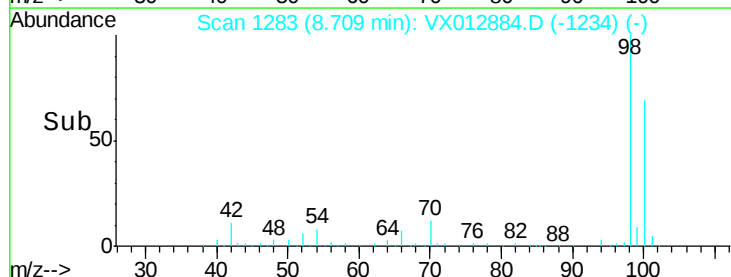
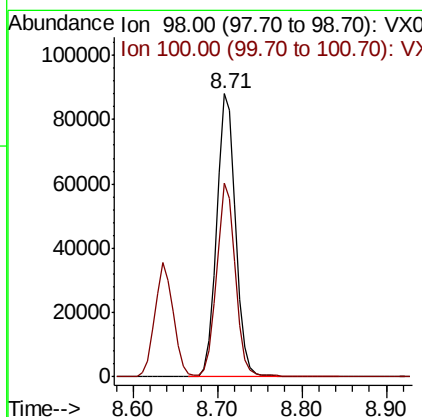
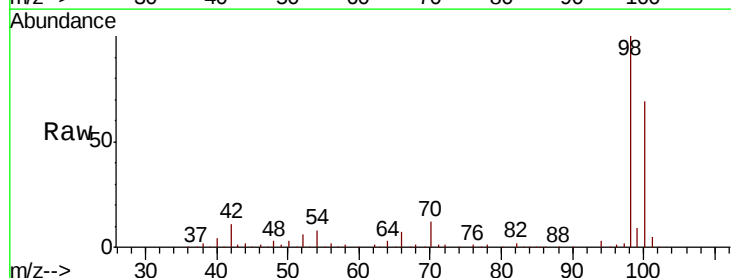
Manual Integrations
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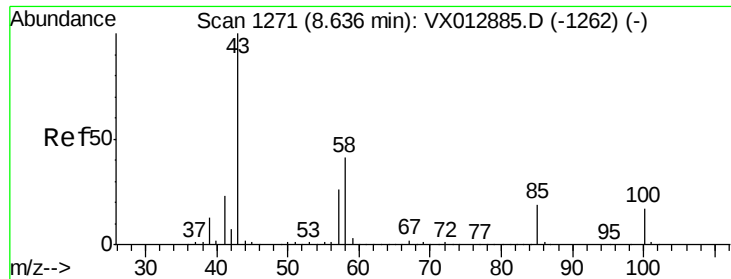
MMDadoda
 10/9/2019 10:37:03 AM



#50
 Toluene-d8
 Concen: 16.420 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





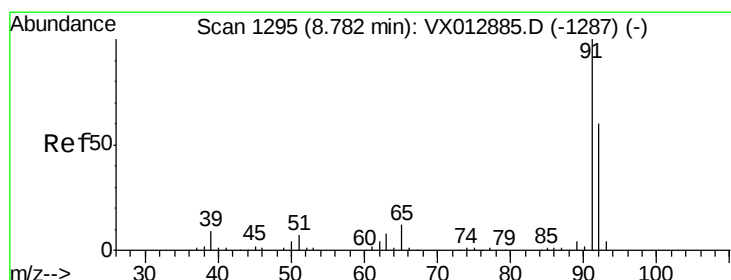
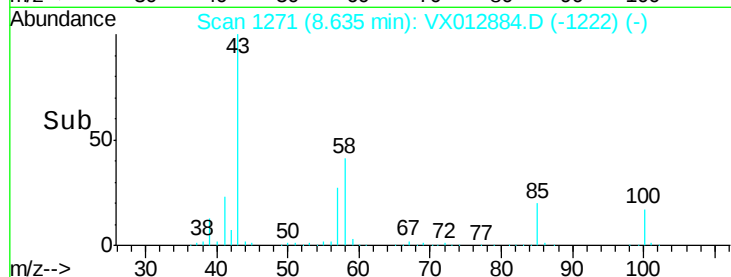
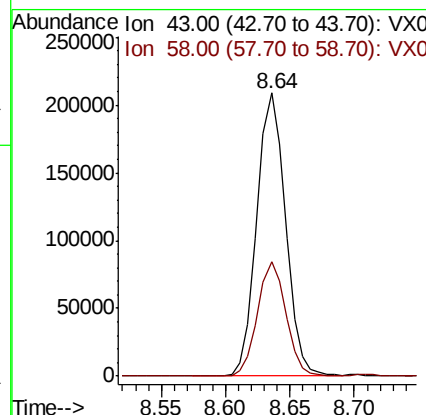
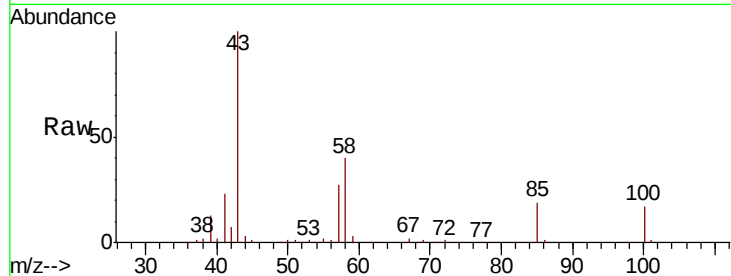
#51
4-Methyl-2-Pentanone
Concen: 77.208 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.4	48.6

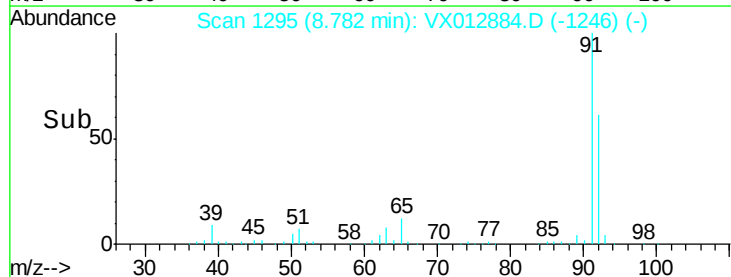
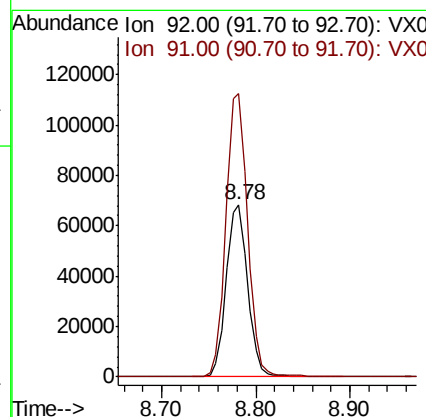
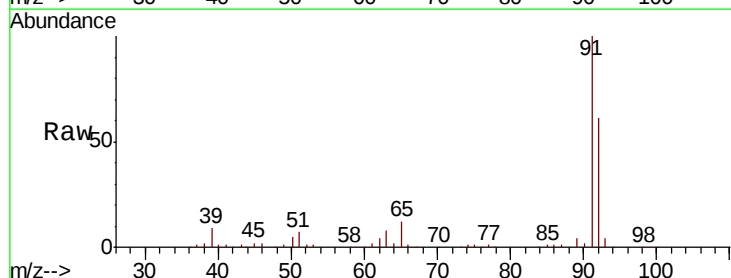
Manual Integrations
APPROVED

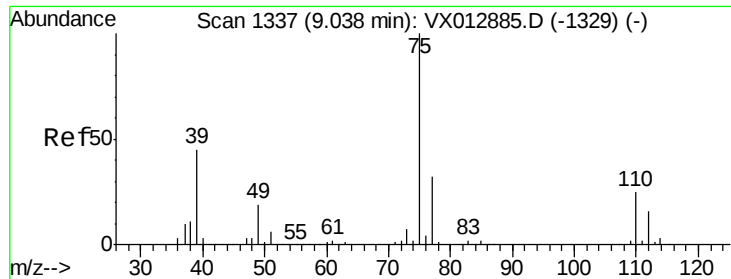
MMDadoda
10/9/2019 10:37:03 AM



#52
Toluene
Concen: 16.781 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	166.2	135.9	203.9





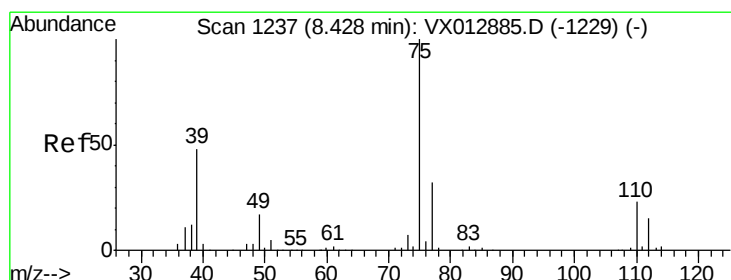
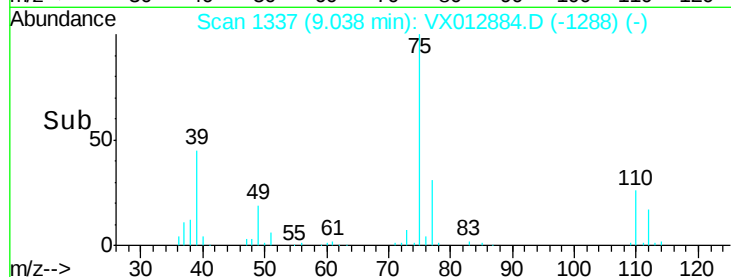
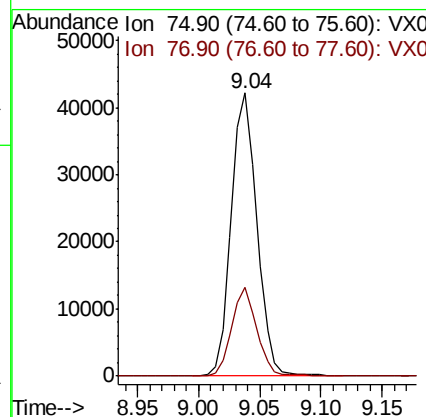
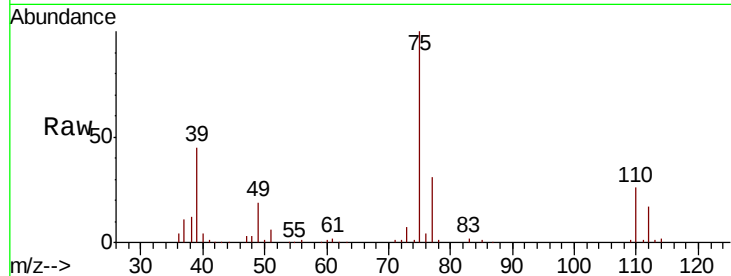
#53
t-1,3-Dichloropropene
Concen: 15.548 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 61302
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.6

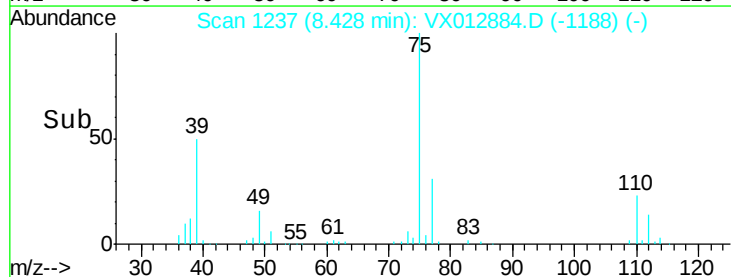
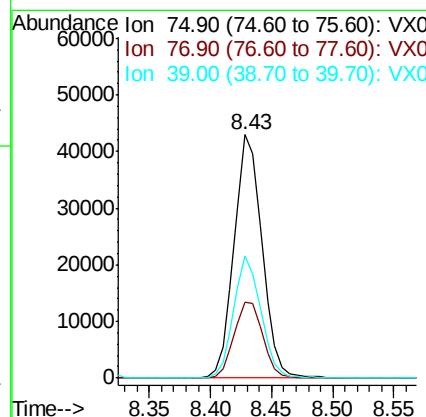
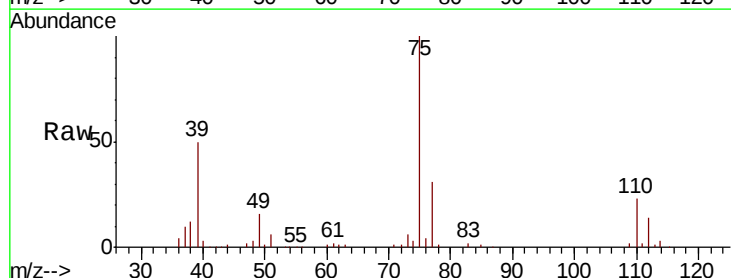
Manual Integrations
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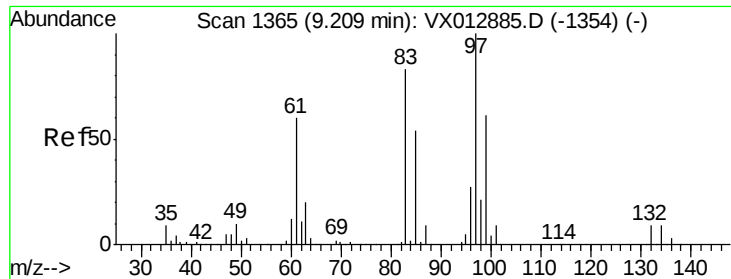
MMDadoda
10/9/2019 10:37:03 AM



#54
cis-1,3-Dichloropropene
Concen: 15.742 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion: 75 Resp: 67865
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8
39 50.0 38.2 57.2





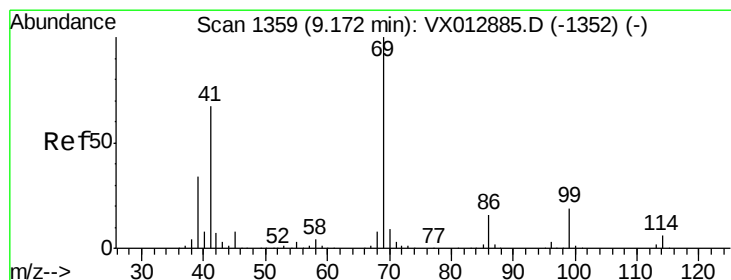
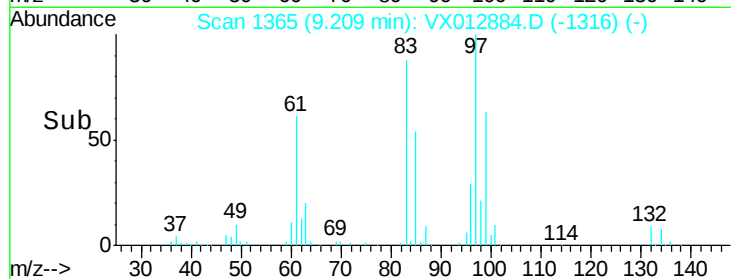
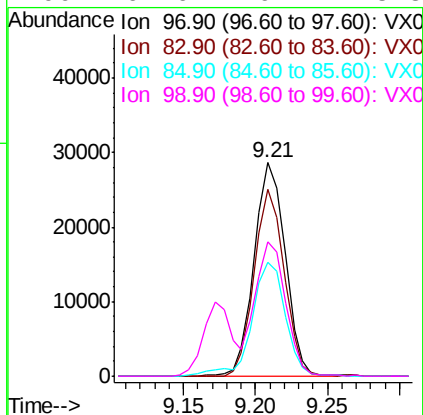
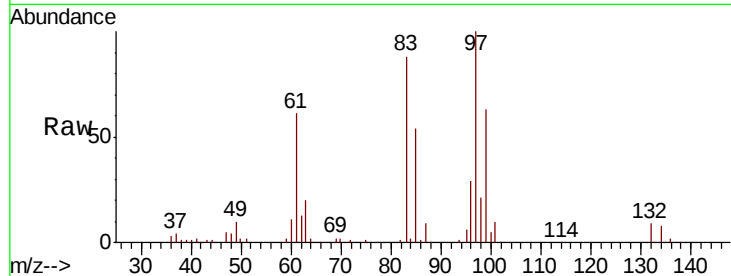
#55
 1,1,2-Trichloroethane
 Concen: 16.662 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	42794
Ion	Ratio	Lower	Upper
97	100		
83	87.7	66.5	99.7
85	53.3	43.1	64.7
99	62.6	49.2	73.8

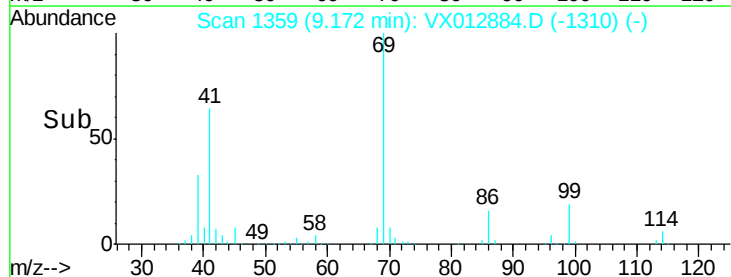
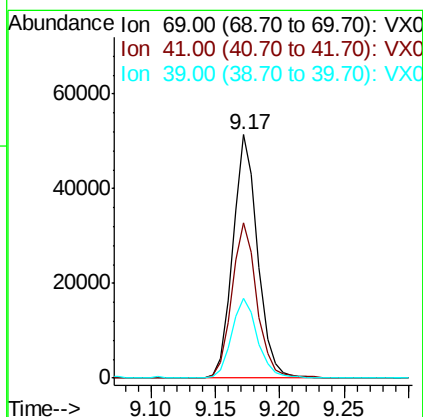
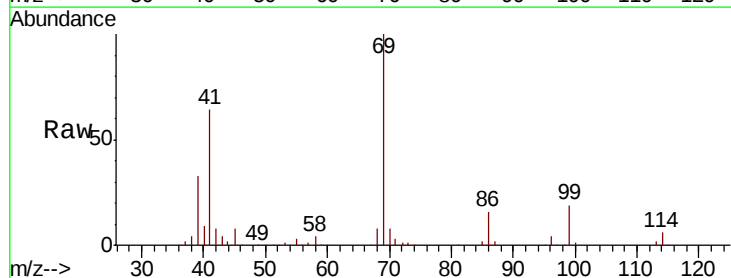
Manual Integrations
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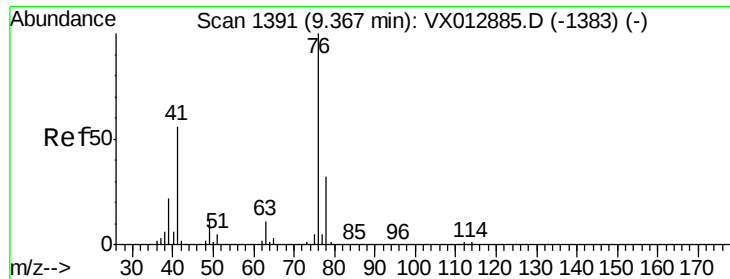
MMDadoda
 10/9/2019 10:37:03 AM



#56
 Ethyl methacrylate
 Concen: 16.017 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Tgt Ion:	69	Resp:	68922
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.1	78.1
39	34.3	27.8	41.8





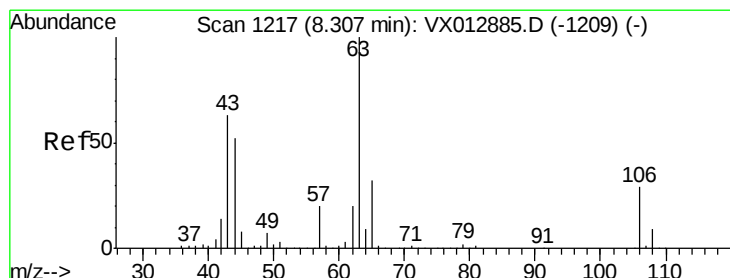
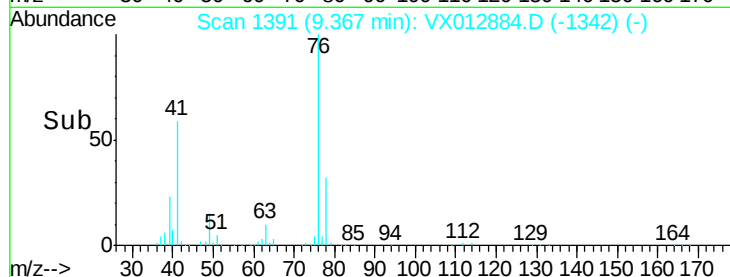
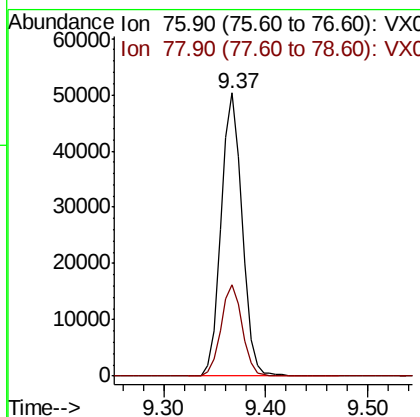
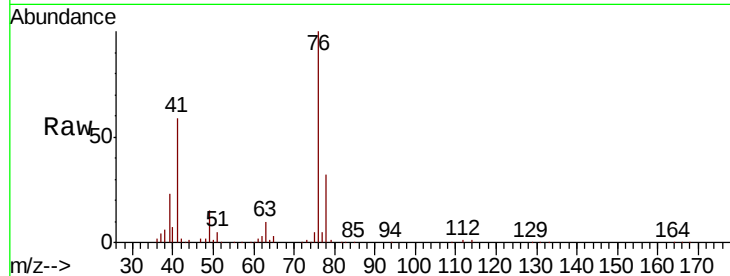
#57
 1,3-Dichloropropane
 Concen: 16.205 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion: 76 Resp: 72791
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

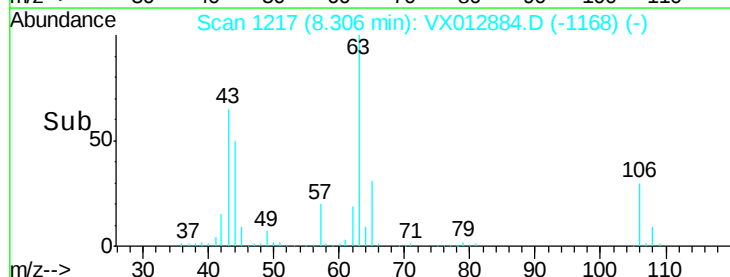
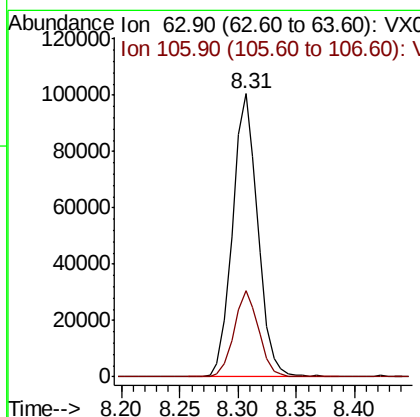
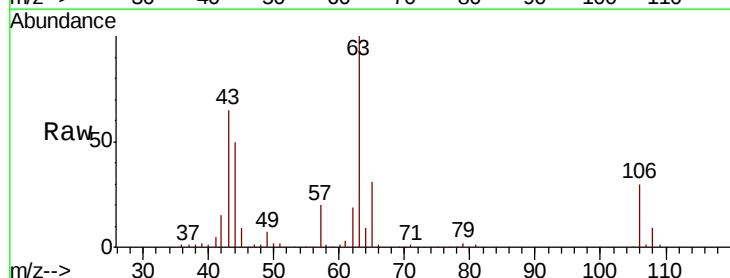
Manual Integrations
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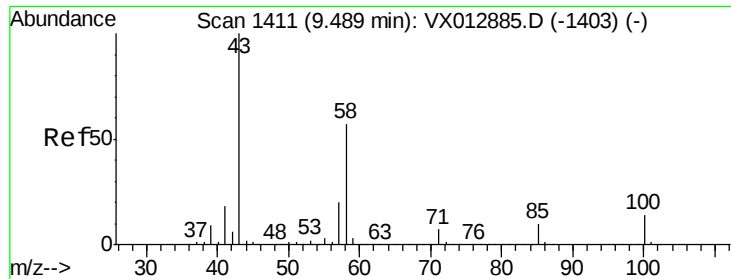
MMDadoda
 10/9/2019 10:37:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 79.297 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Tgt Ion: 63 Resp: 152182
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8





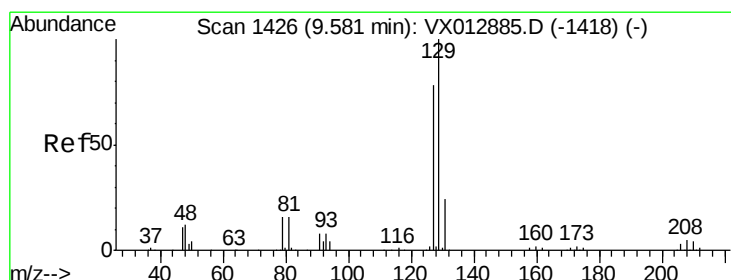
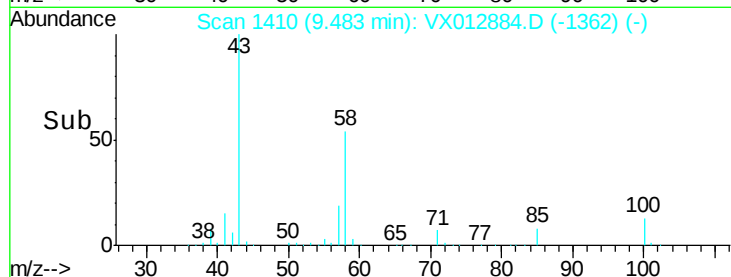
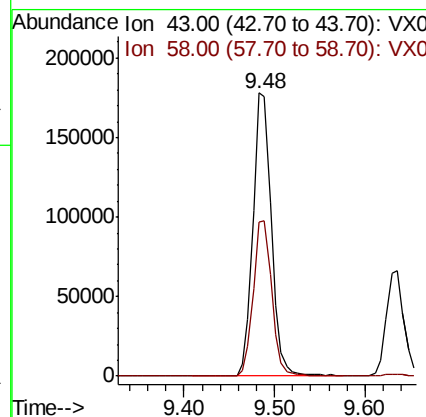
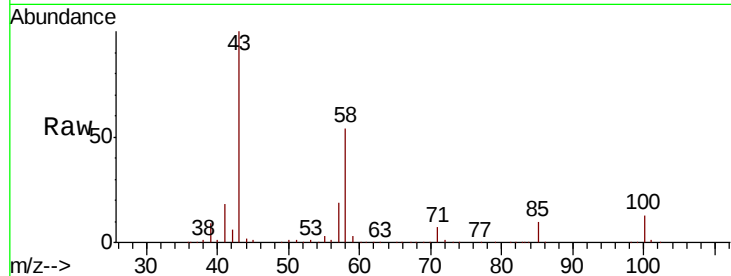
#59
2-Hexanone
Concen: 78.895 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	28.1	84.3

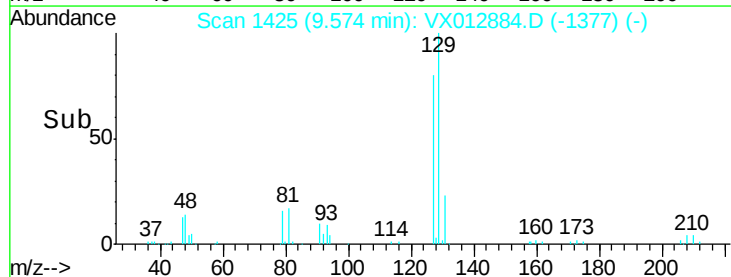
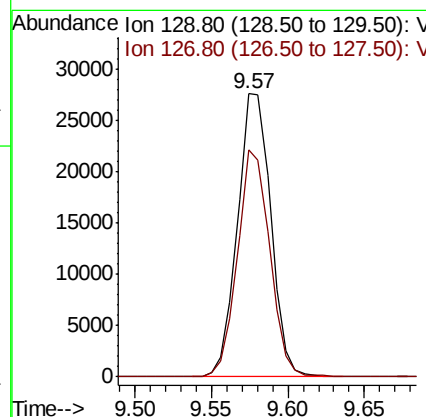
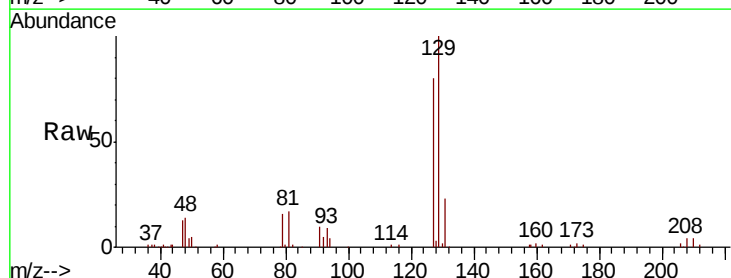
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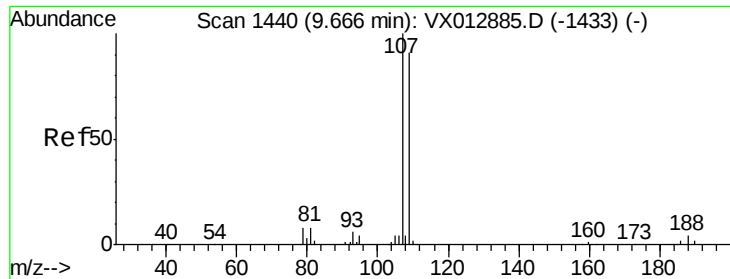
MMDadoda
10/9/2019 10:37:03 AM



#60
Dibromochloromethane
Concen: 16.022 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.9	116.7





#61

1,2-Dibromoethane

Concen: 16.421 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 43897

Ion Ratio Lower Upper

107 100

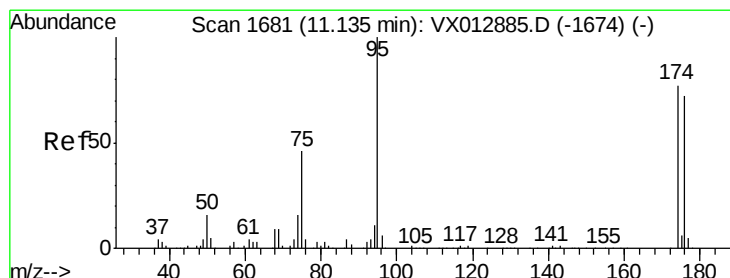
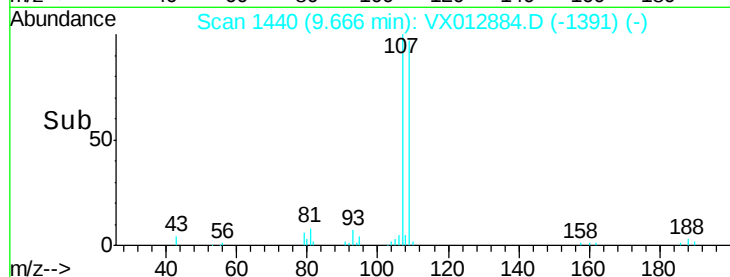
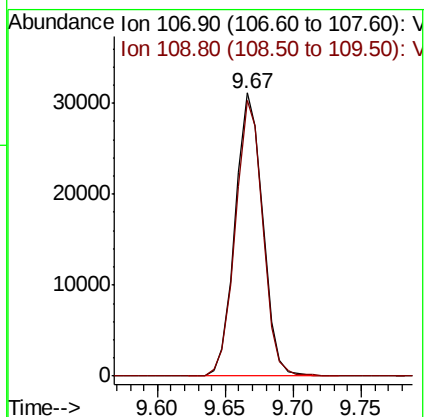
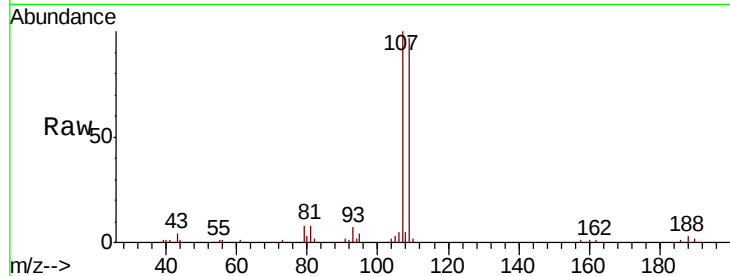
109 96.9 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 15.873 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

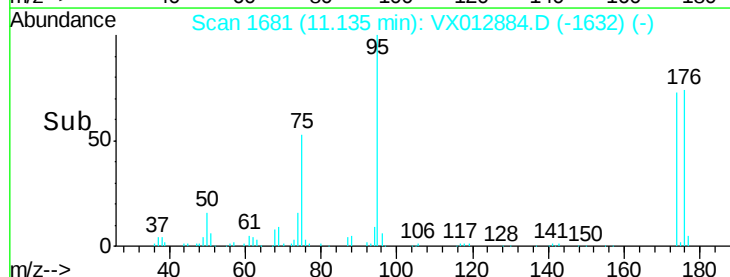
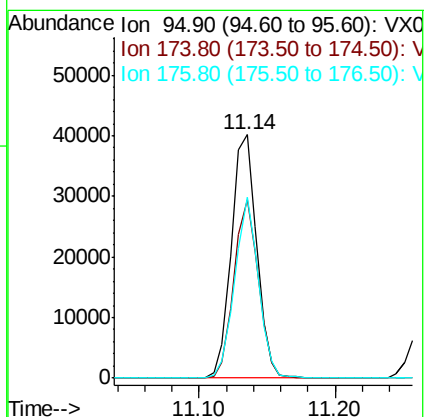
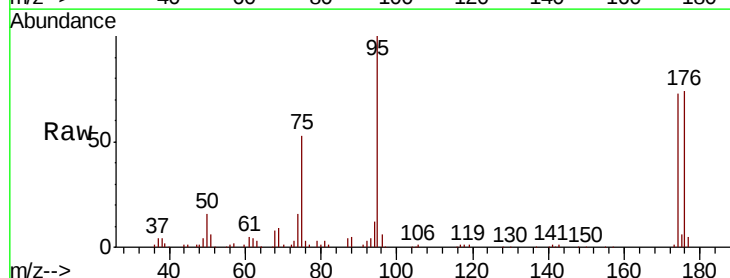
Tgt Ion: 95 Resp: 52212

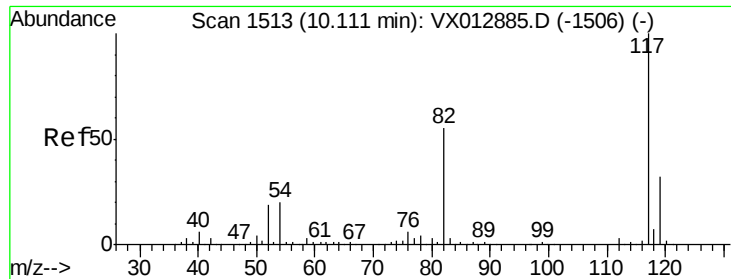
Ion Ratio Lower Upper

95 100

174 70.8 0.0 143.4

176 69.4 0.0 136.0





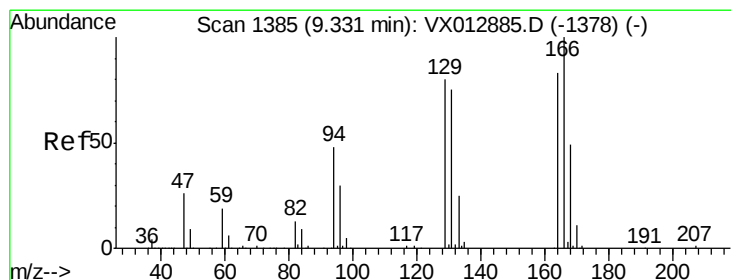
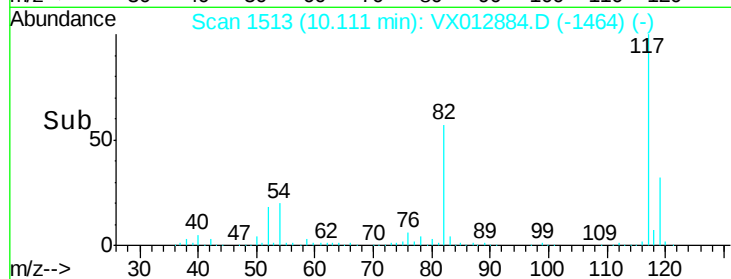
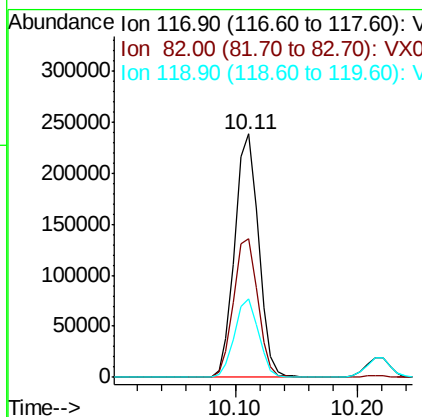
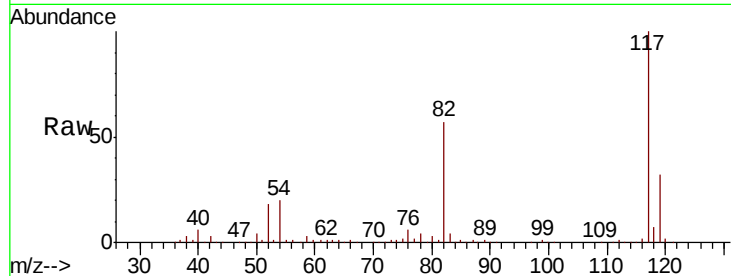
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.1	66.1
119	32.3	25.8	38.8

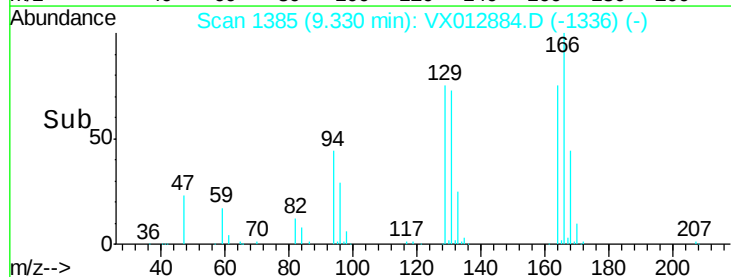
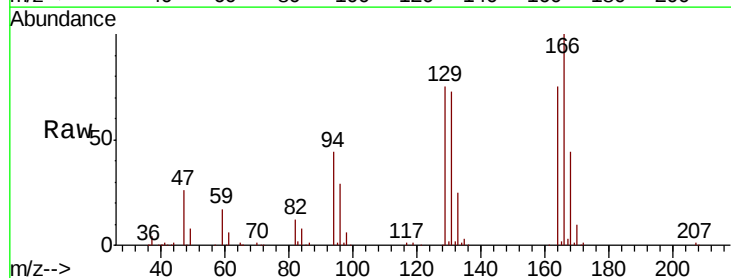
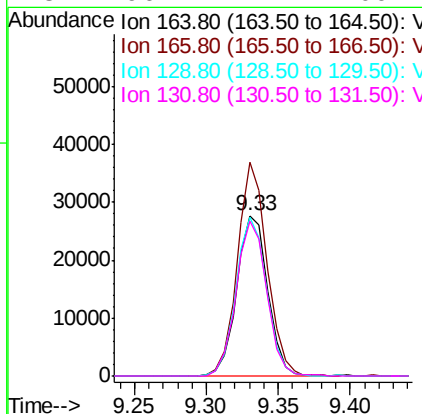
Manual Integrations
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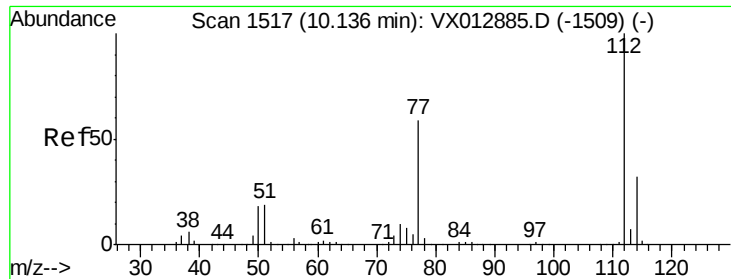
MMDadoda
10/9/2019 10:37:03 AM



#64
Tetrachloroethene
Concen: 18.245 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	96.9	145.3
129	99.2	77.9	116.9
131	96.7	72.7	109.1





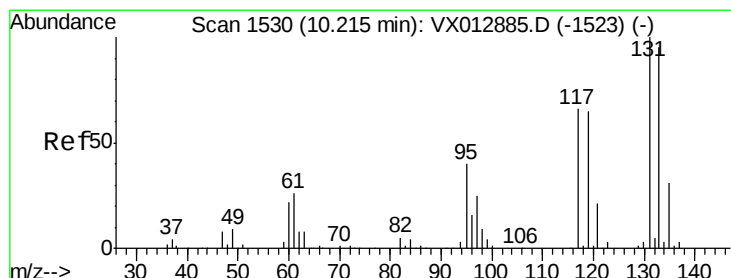
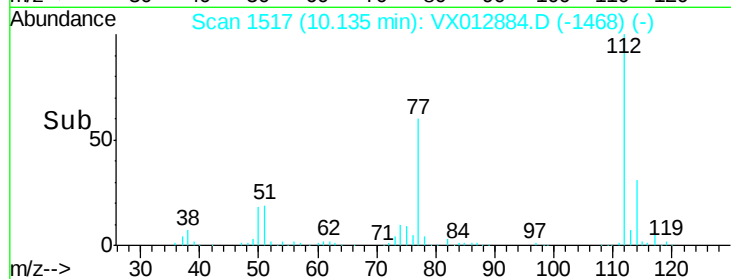
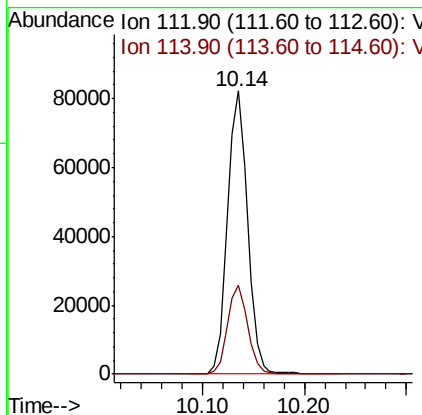
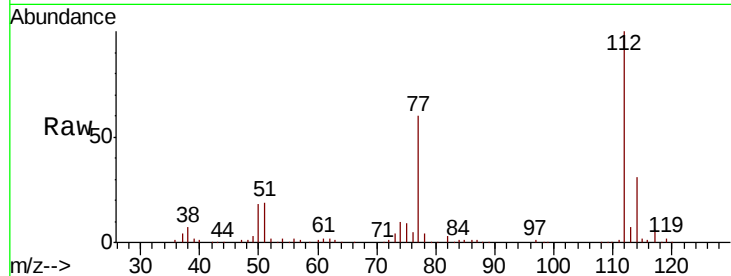
#65
Chlorobenzene
Concen: 16.422 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 111263
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

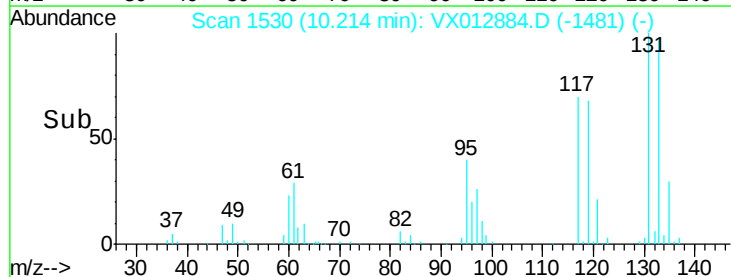
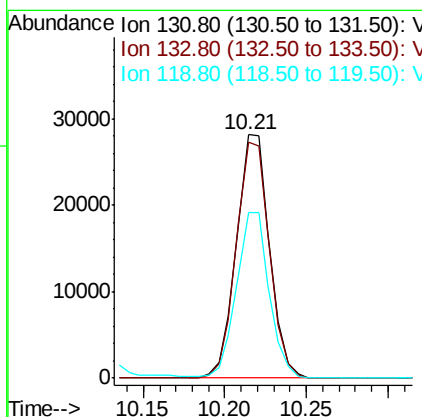
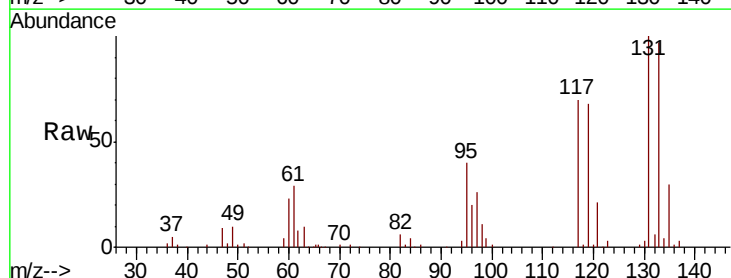
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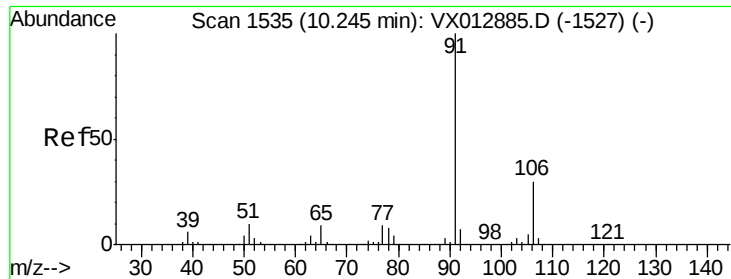
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.264 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion:131 Resp: 39912
Ion Ratio Lower Upper
131 100
133 97.0 47.2 141.6
119 66.9 32.6 98.0





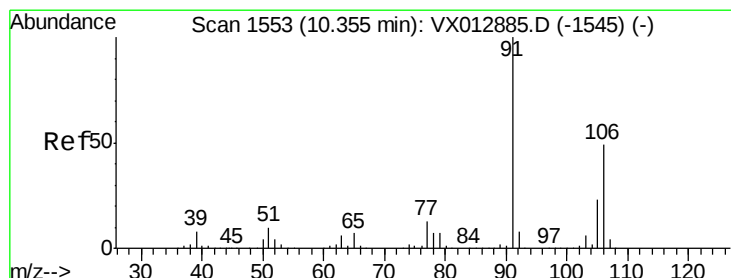
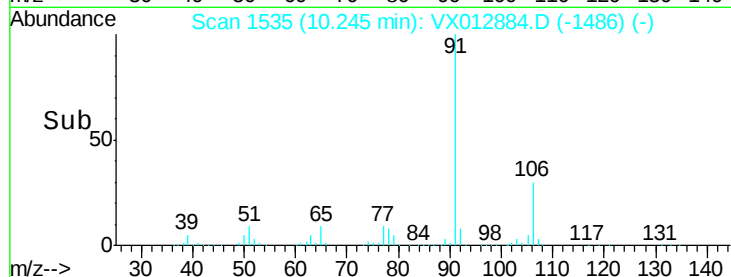
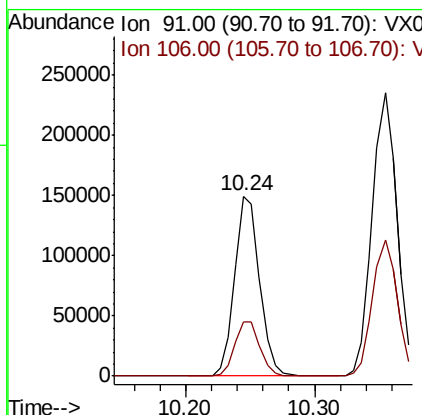
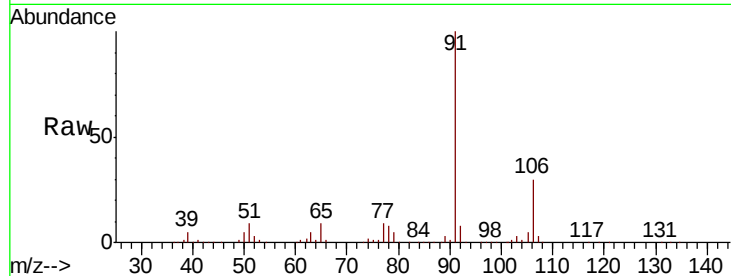
#67
Ethyl Benzene
Concen: 16.439 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 201931
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9

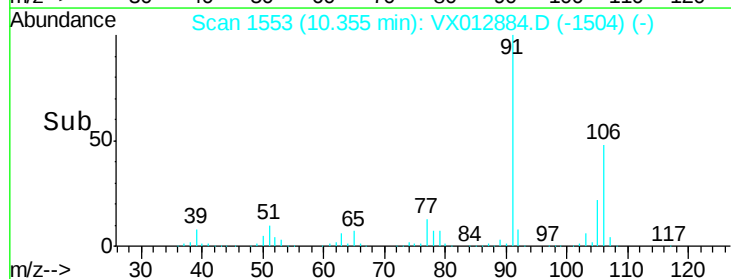
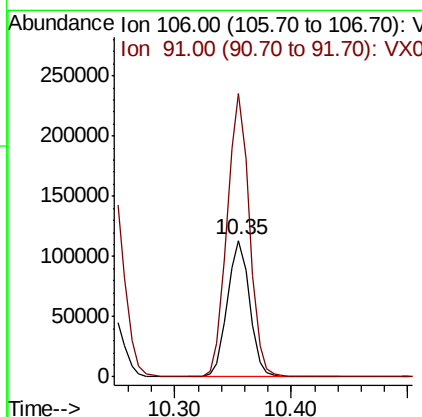
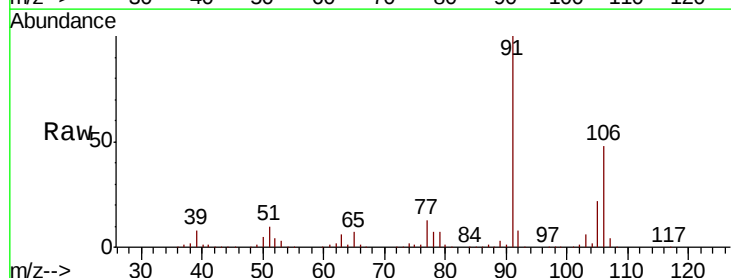
Manual Integrations
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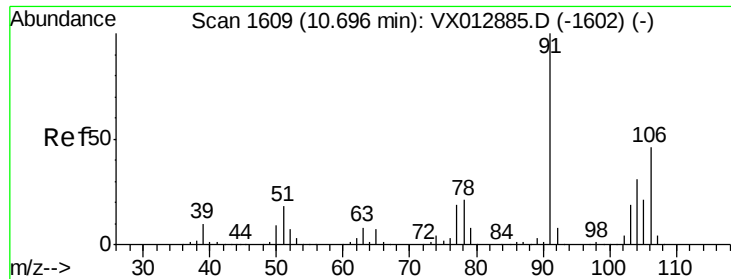
MMDadoda
10/9/2019 10:37:03 AM



#68
m/p-Xylenes
Concen: 33.091 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion: 106 Resp: 152137
Ion Ratio Lower Upper
106 100
91 206.5 165.3 247.9





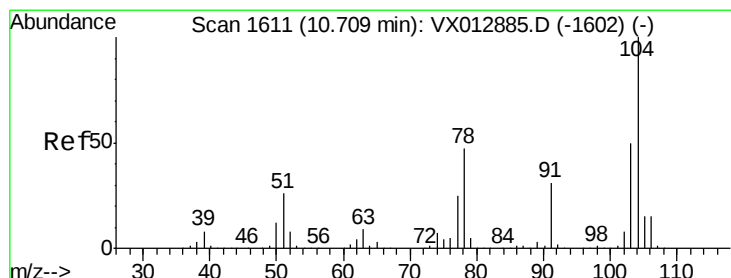
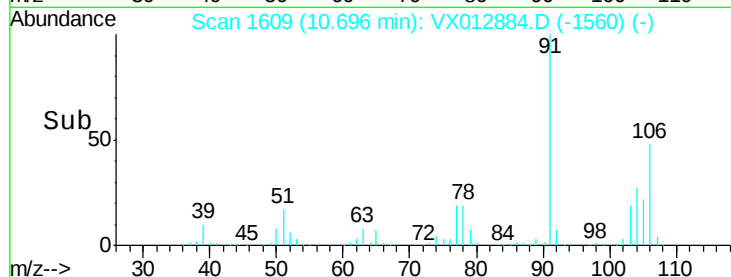
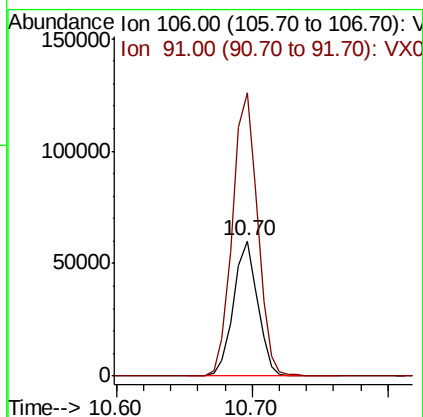
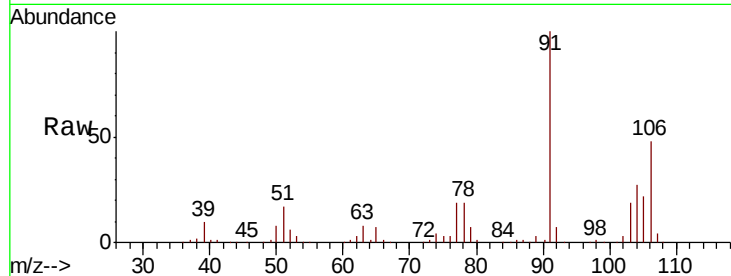
#69
o-Xylene
Concen: 16.739 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 74577
Ion Ratio Lower Upper
106 100
91 216.9 109.1 327.3

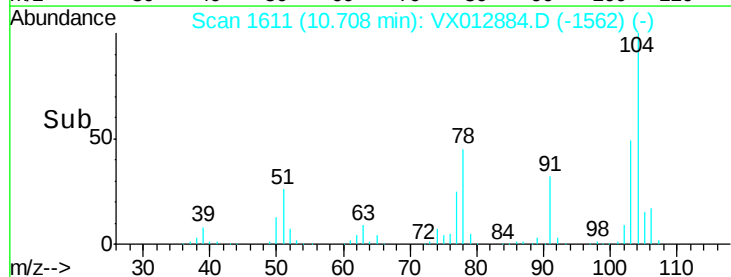
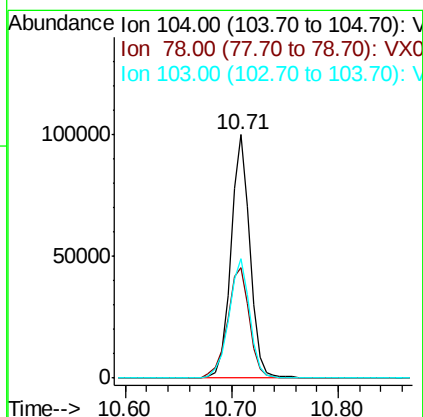
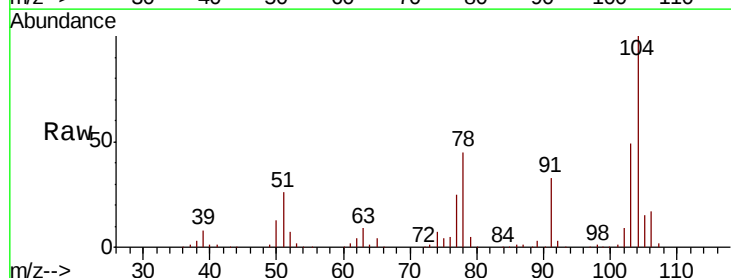
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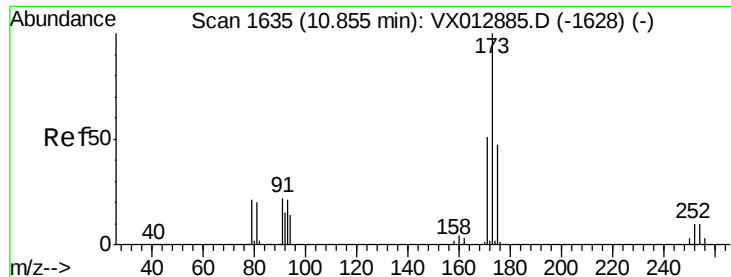
MMDadoda
10/9/2019 10:37:03 AM



#70
Styrene
Concen: 16.696 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion:104 Resp: 124815
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 53.8 43.0 64.4





#71

Bromoform

Concen: 15.673 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 26942

Ion Ratio Lower Upper

173 100

175 50.2 24.1 72.3

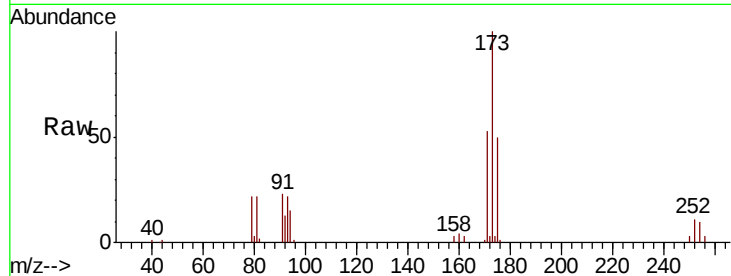
254 0.0 0.1 0.1#

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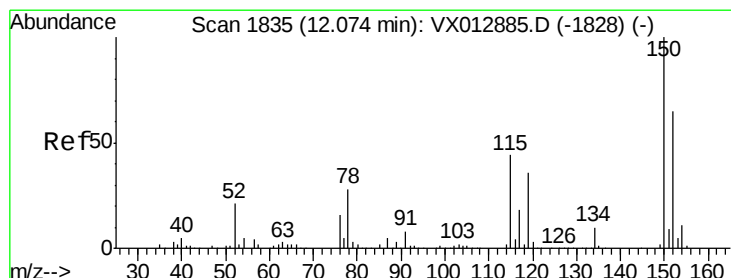
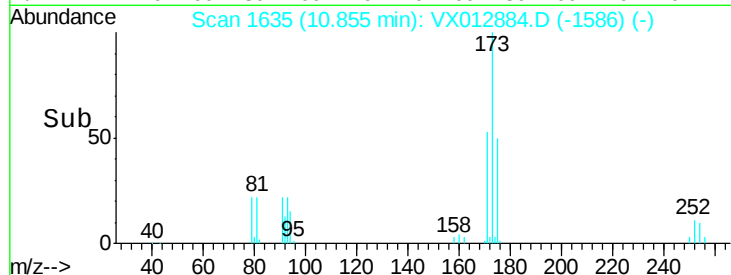
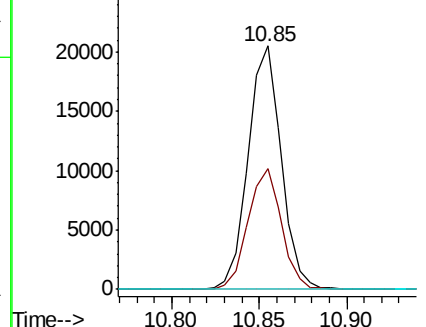
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

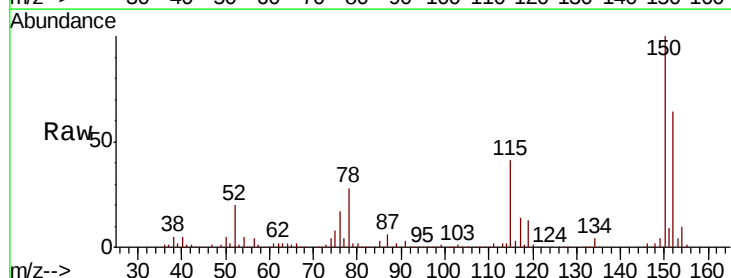
Tgt Ion:152 Resp: 145958

Ion Ratio Lower Upper

152 100

115 72.3 44.5 133.5

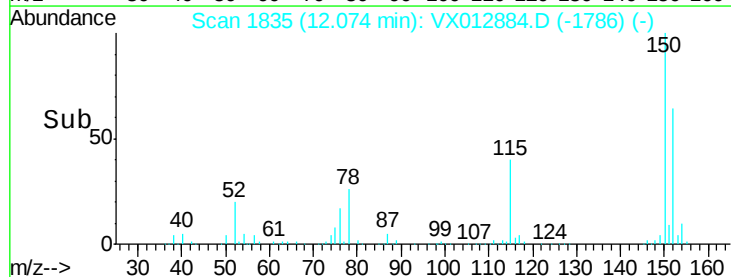
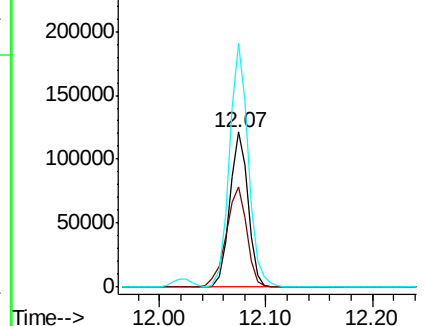
150 161.8 0.0 353.4

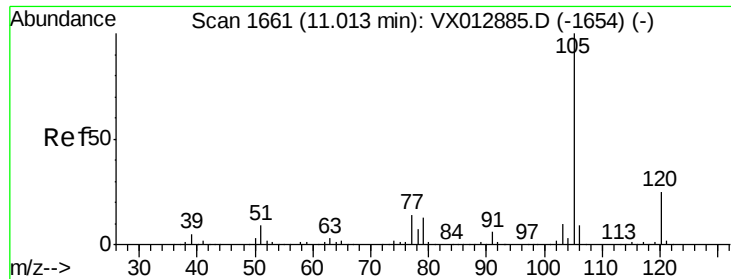


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.629 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 197814

Ion Ratio Lower Upper

105 100

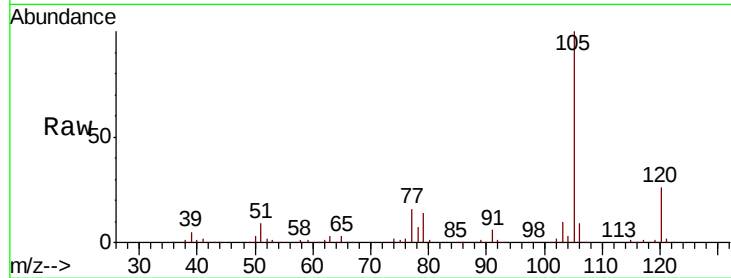
120 26.0 13.0 39.0

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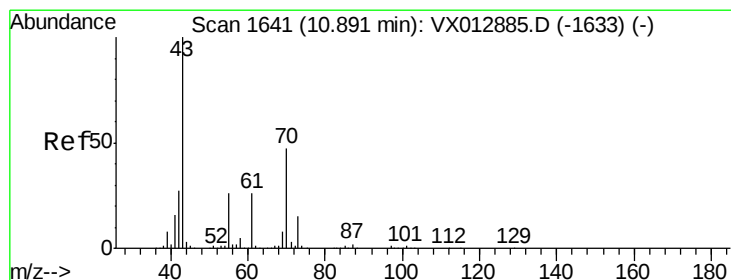
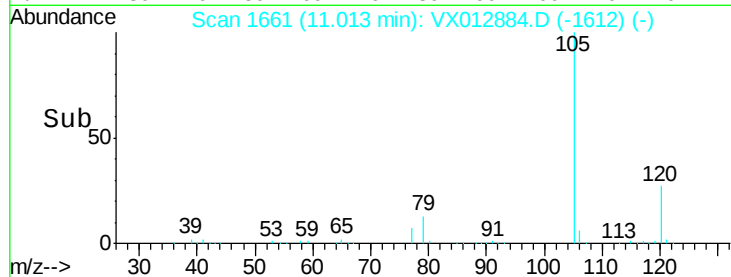
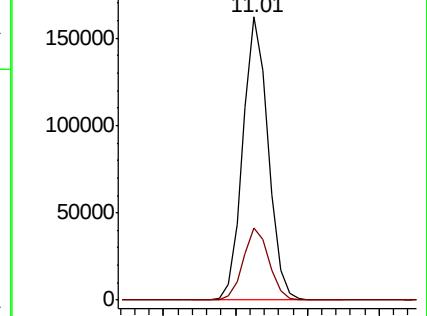
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.167 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion: 43 Resp: 84664

Ion Ratio Lower Upper

43 100

70 45.3 36.4 54.6

55 24.1 20.2 30.2

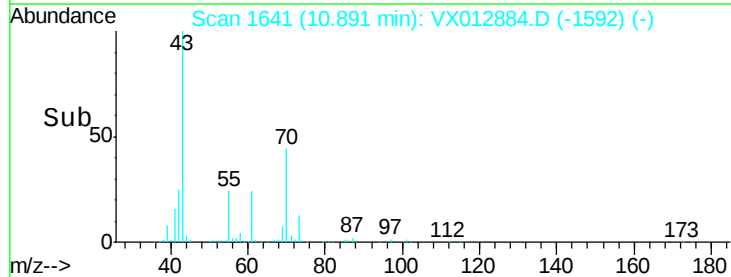
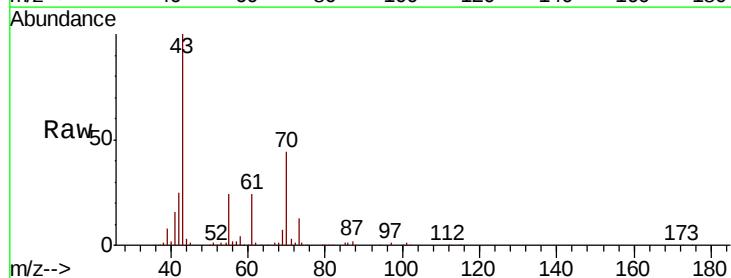
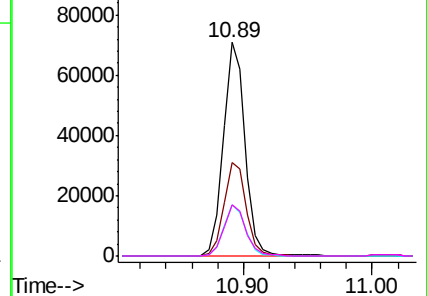
61 24.2 20.5 30.7

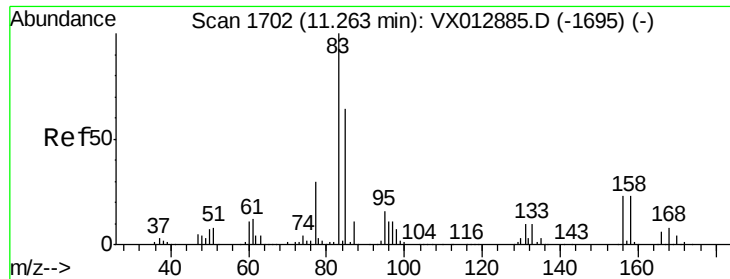
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 16.376 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

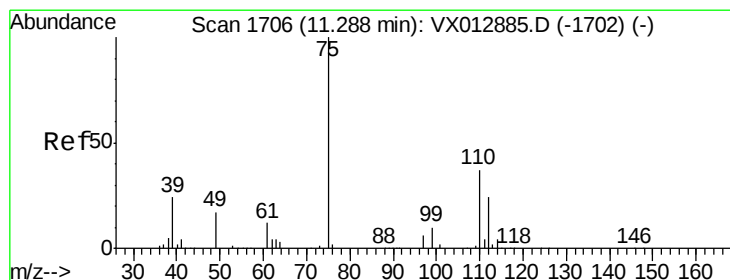
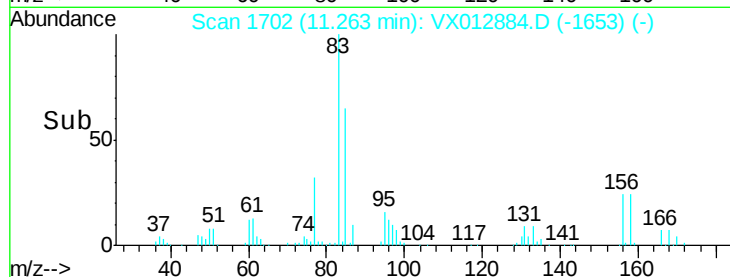
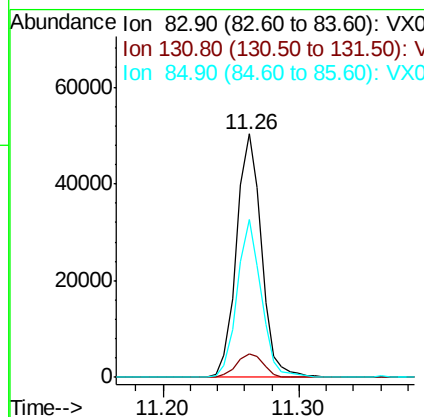
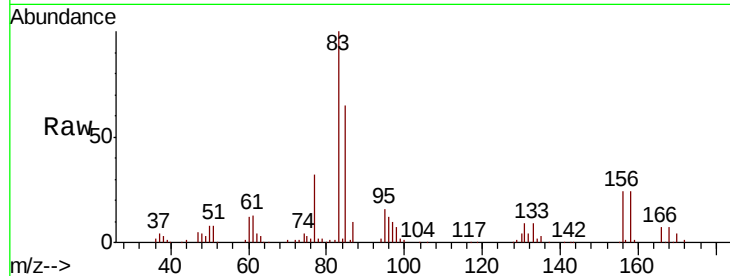
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	64139
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	62.5	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 16.381 ug/l m

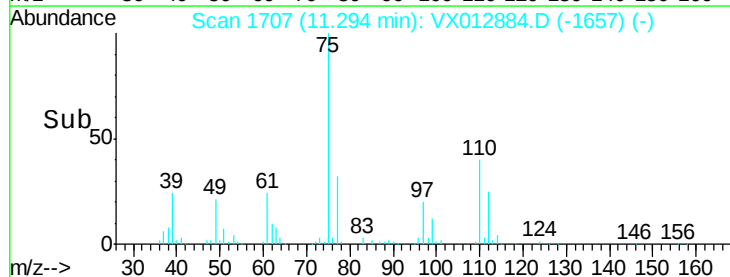
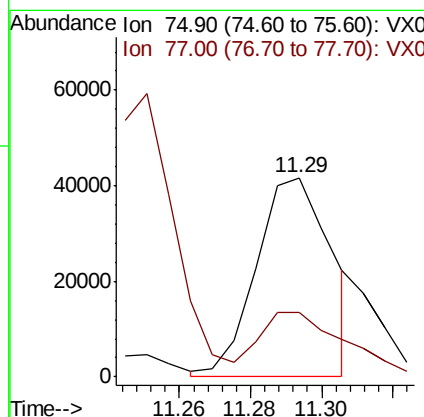
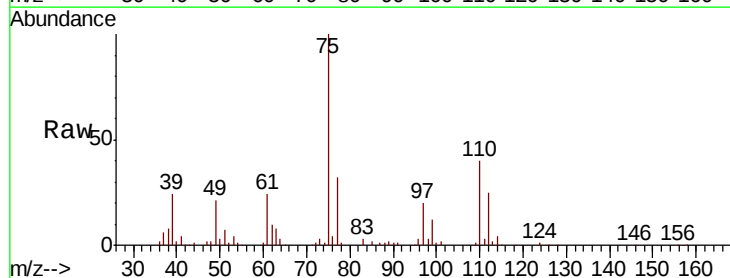
RT: 11.29 min Scan# 1707

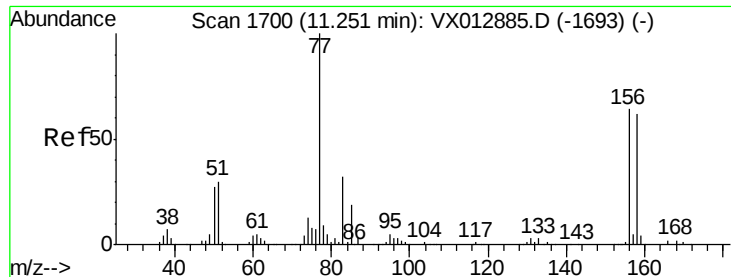
Delta R.T. 0.01 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion:	75	Resp:	61163
Ion Ratio	Lower	Upper	
75	100		
77	37.5	22.9	68.8





#77

Bromobenzene

Concen: 16.409 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

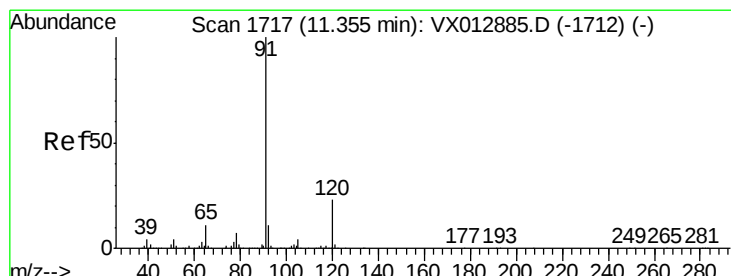
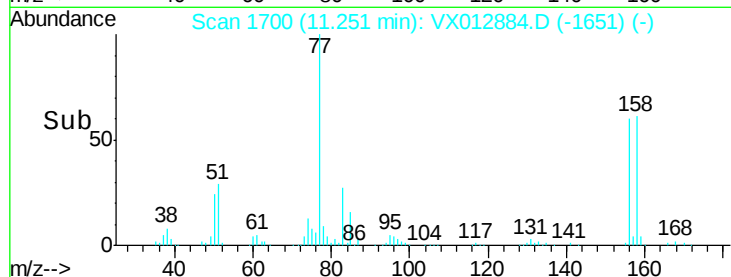
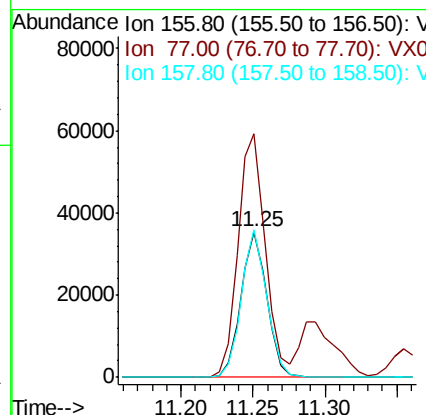
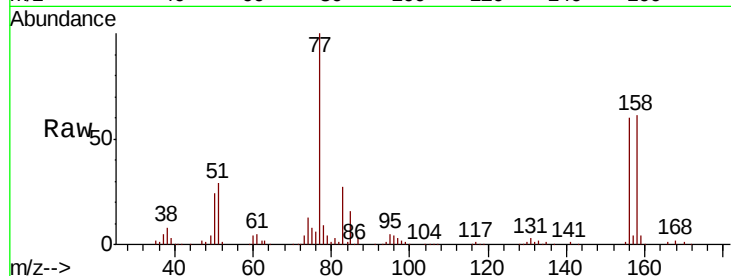
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	176.5	83.7	251.0	
158	99.4	48.6	145.9	

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#78

n-propylbenzene

Concen: 16.010 ug/l

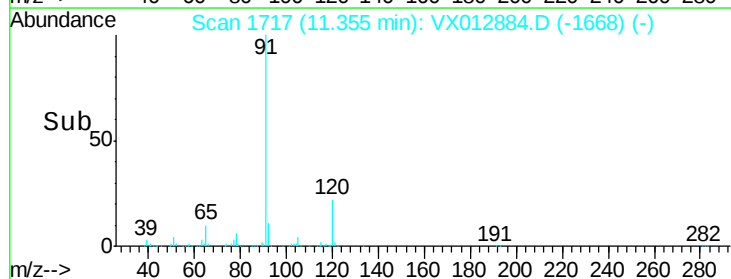
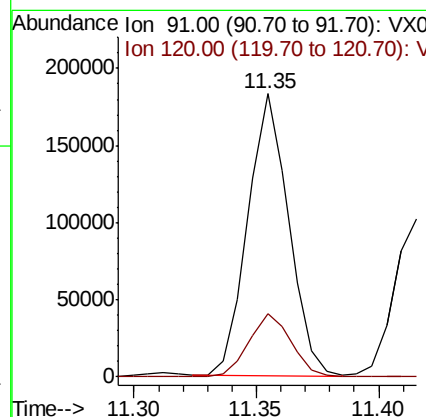
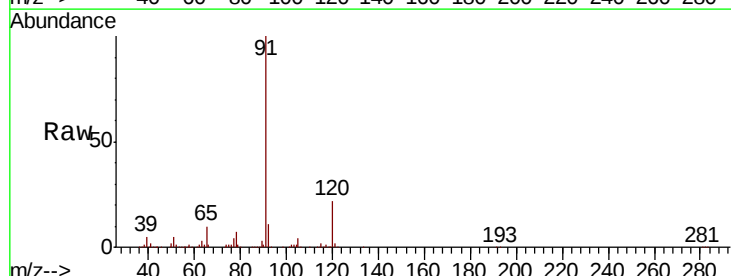
RT: 11.35 min Scan# 1717

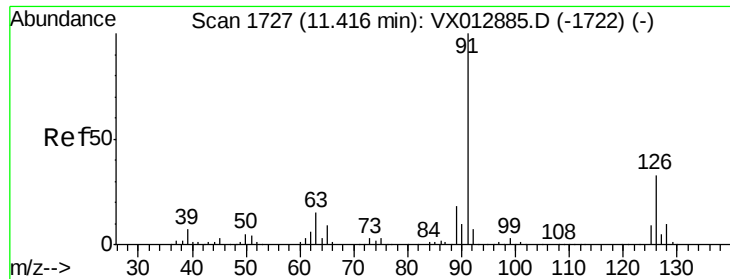
Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.7	35.1	





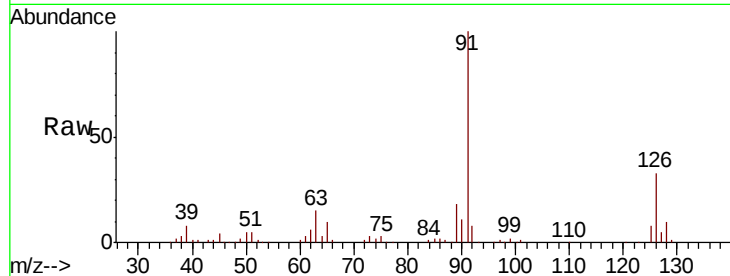
#79
 2-Chlorotoluene
 Concen: 16.008 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

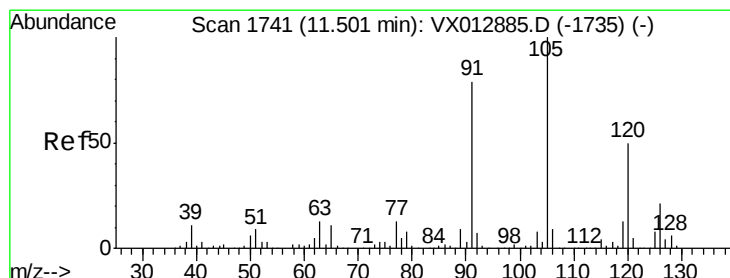
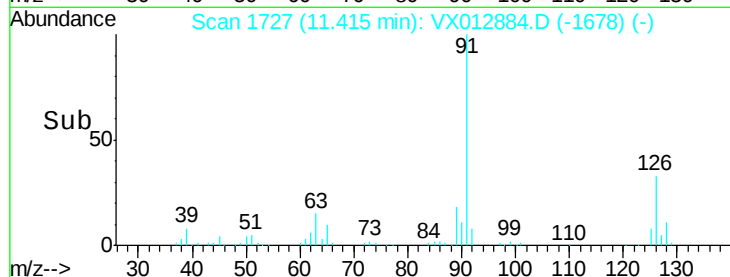
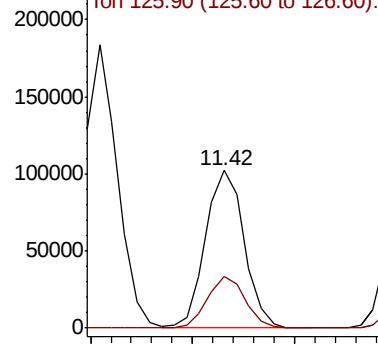
Tot Ion: 91 Resp: 133338
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.3 48.8

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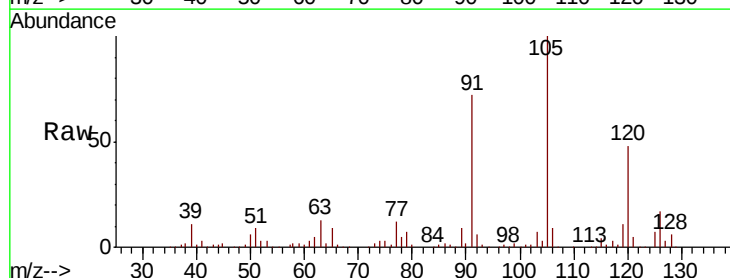


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

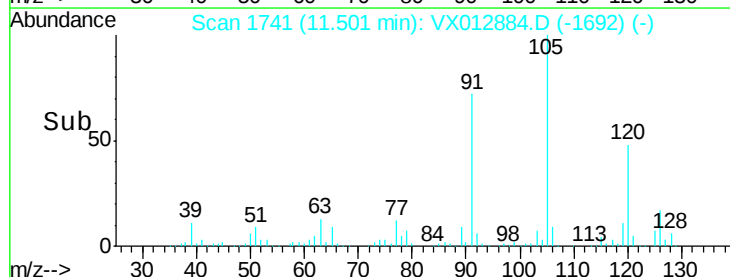
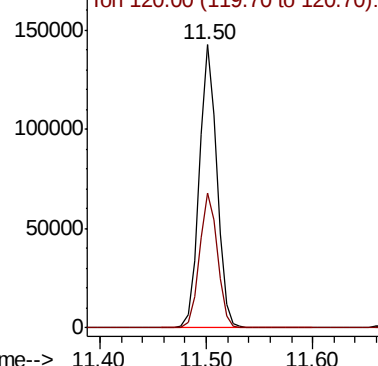


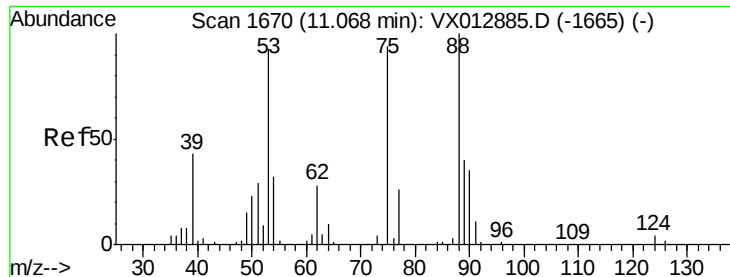
#80
 1,3,5-Trimethylbenzene
 Concen: 16.594 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Tgt Ion: 105 Resp: 165425
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





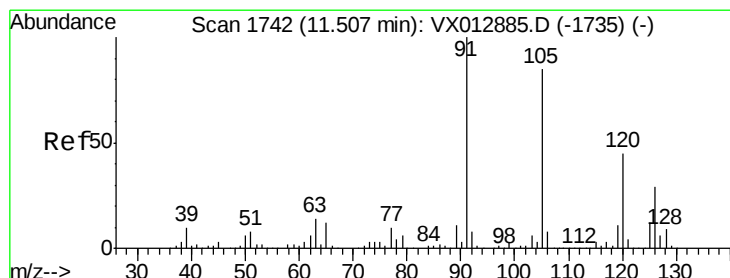
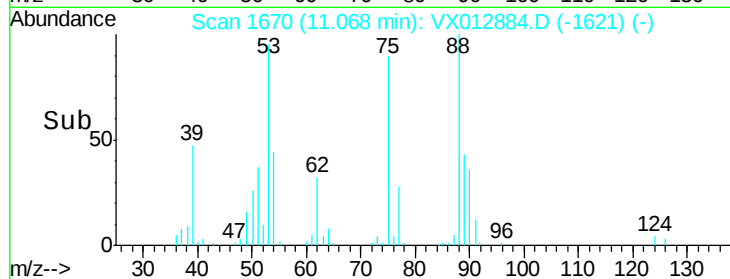
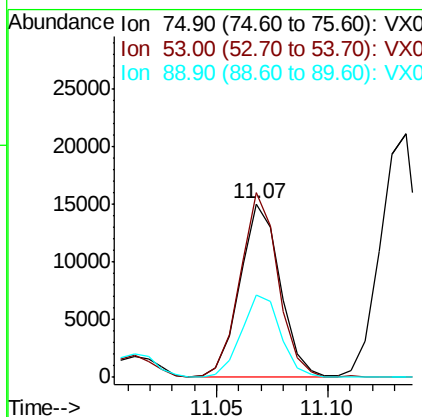
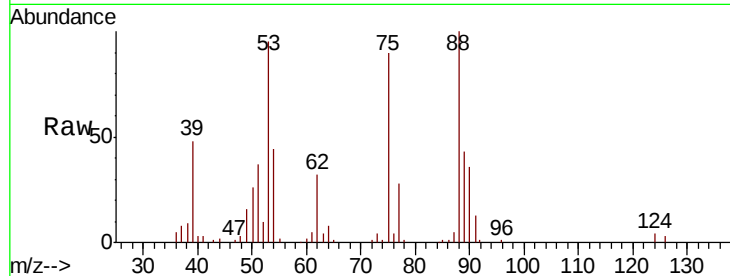
#81
trans-1,4-Dichloro-2-butene
Concen: 14.378 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.3	78.5	117.7
89	46.5	37.4	56.2

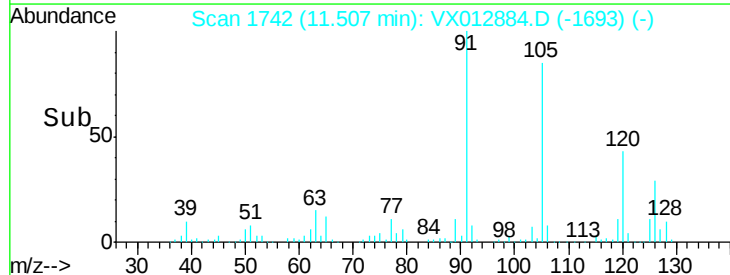
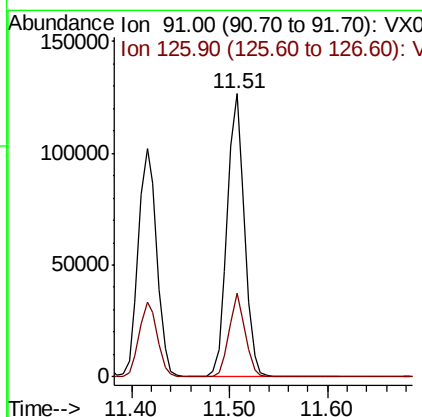
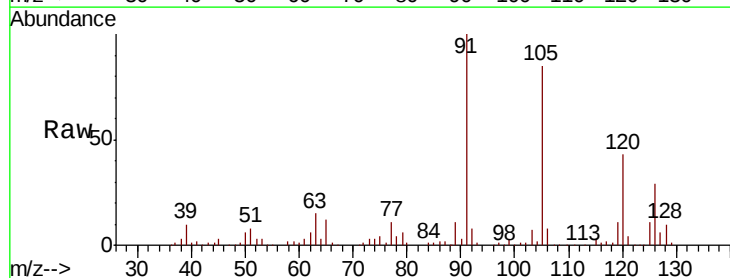
Manual Integrations
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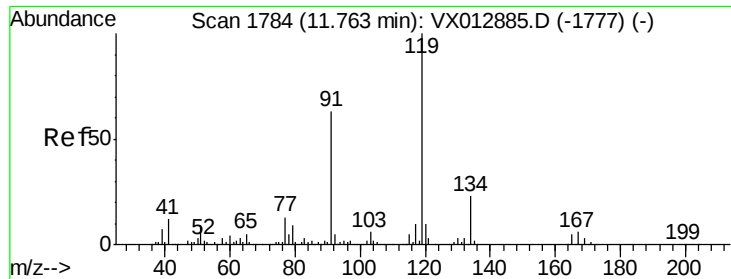
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#82
4-Chlorotoluene
Concen: 16.441 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.2	14.2	42.6





#83

tert-Butylbenzene

Concen: 16.435 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

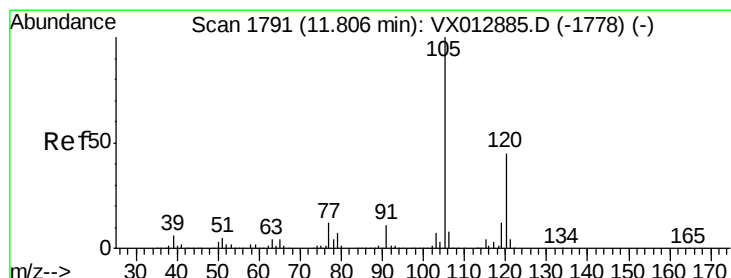
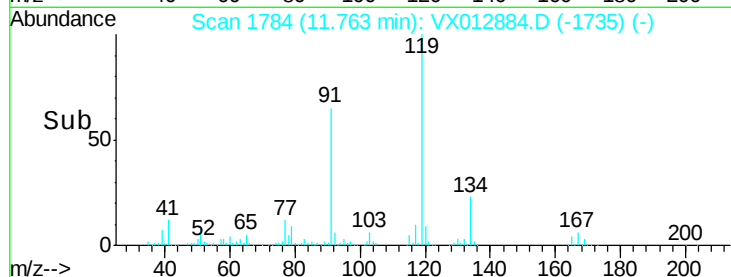
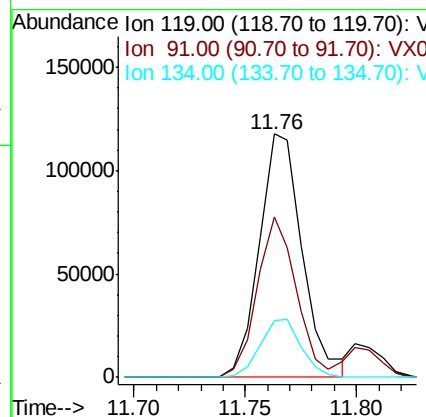
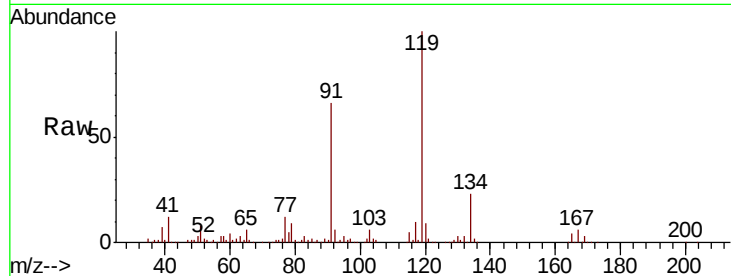
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	158694
Ion Ratio	Lower	Upper	
119	100		
91	59.9	29.3	87.9
134	22.8	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 16.602 ug/l

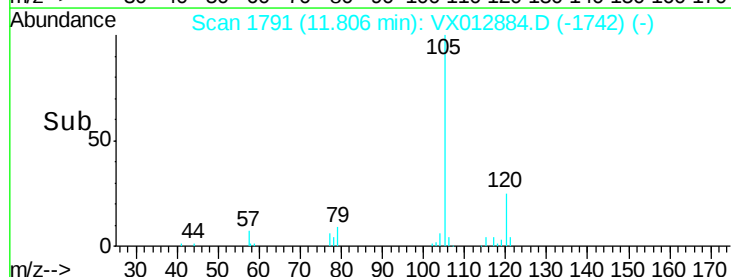
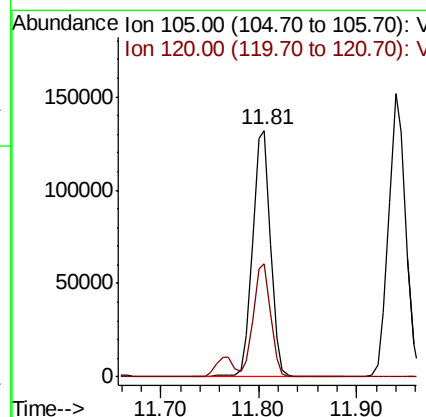
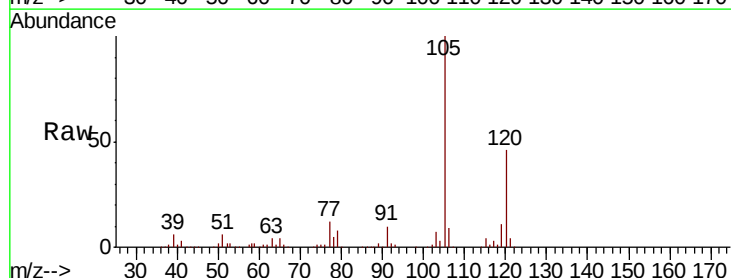
RT: 11.81 min Scan# 1791

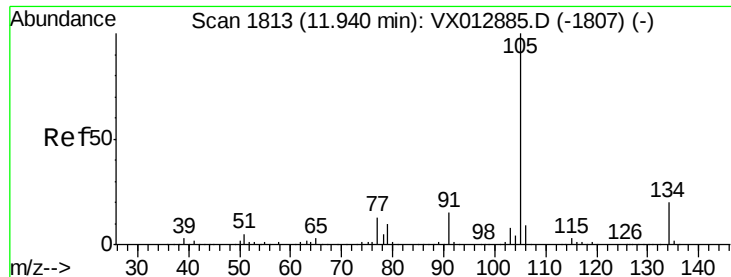
Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion:	105	Resp:	167295
Ion Ratio	Lower	Upper	
105	100		
120	44.4	21.8	65.3





#85

sec-Butylbenzene

Concen: 16.456 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 184690

Ion Ratio Lower Upper

105 100

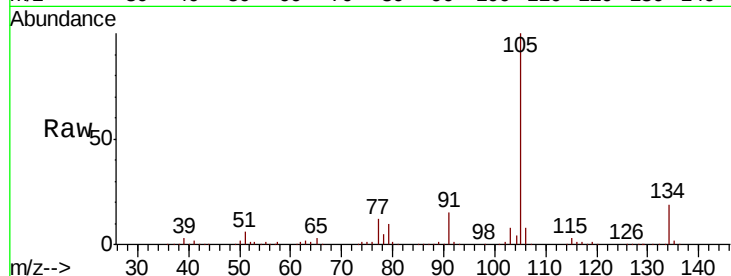
134 20.0 10.0 30.0

Manual Integrations

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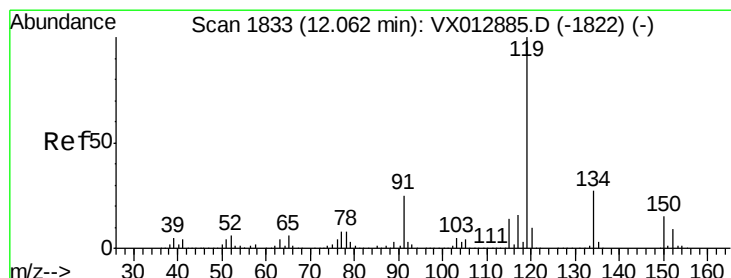
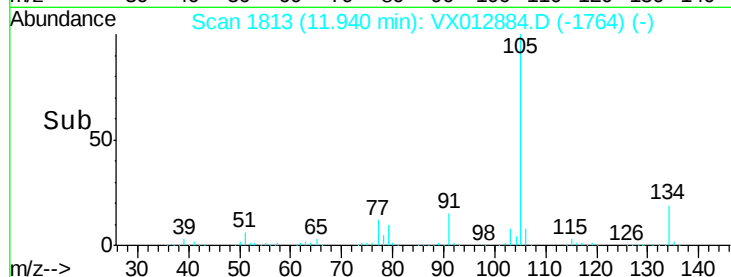
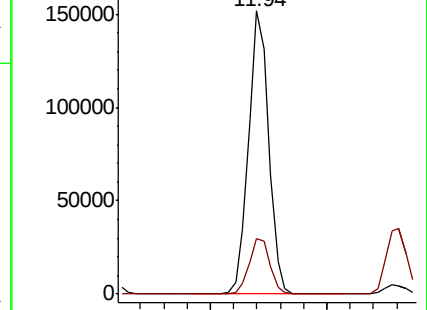
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.705 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

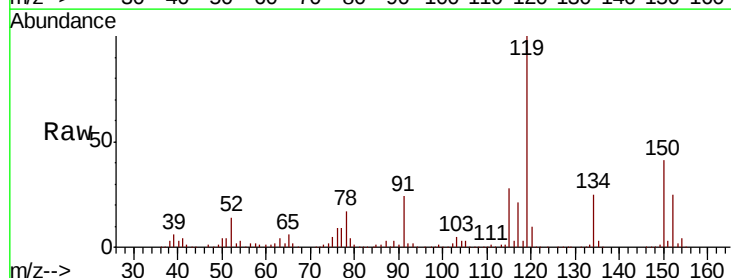
Tgt Ion:119 Resp: 169030

Ion Ratio Lower Upper

119 100

134 26.1 12.6 37.8

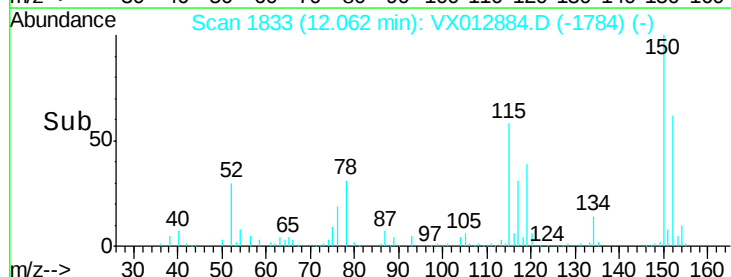
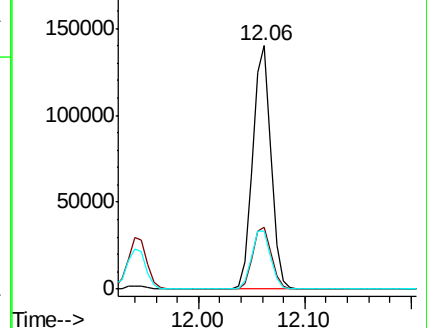
91 25.2 12.4 37.4



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





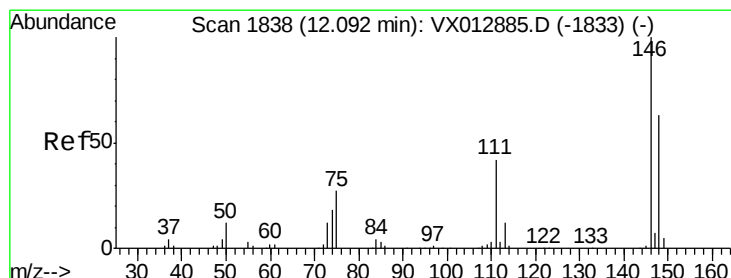
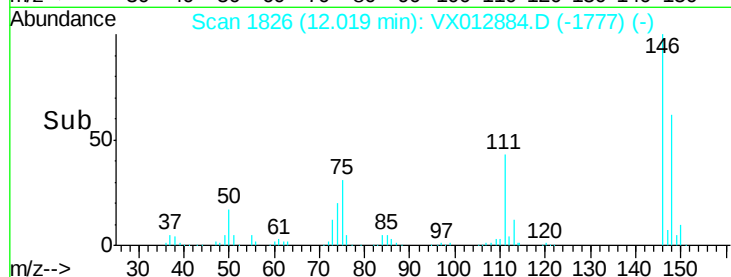
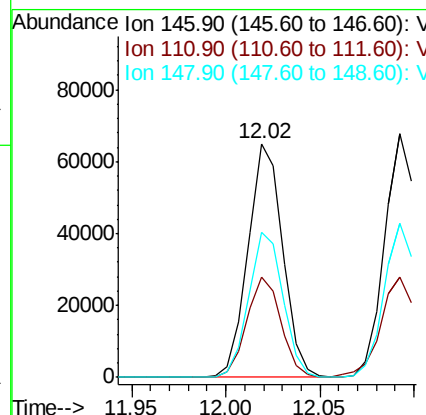
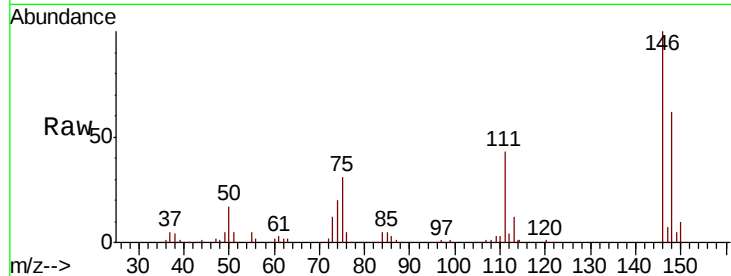
#87
 1,3-Dichlorobenzene
 Concen: 16.996 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	61.5	31.6	95.0

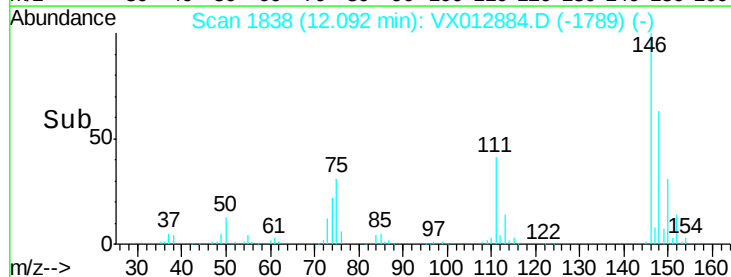
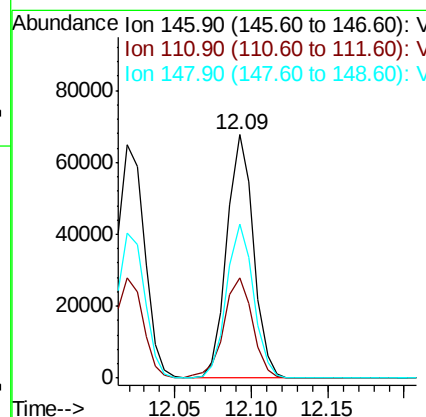
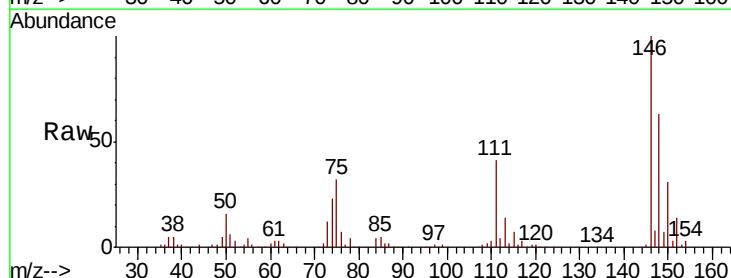
Manual Integrations
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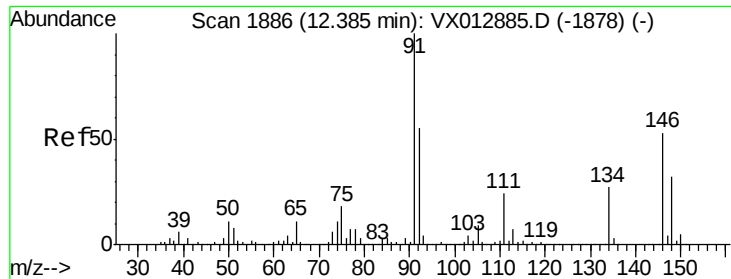
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#88
 1,4-Dichlorobenzene
 Concen: 16.627 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012884.D
 Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.4	64.3
148	64.6	32.1	96.5





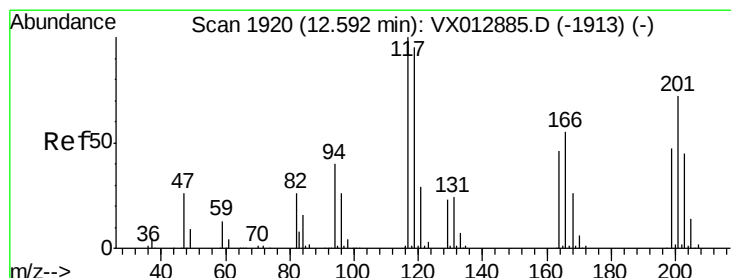
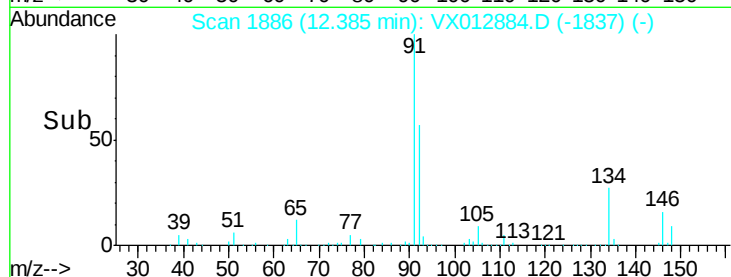
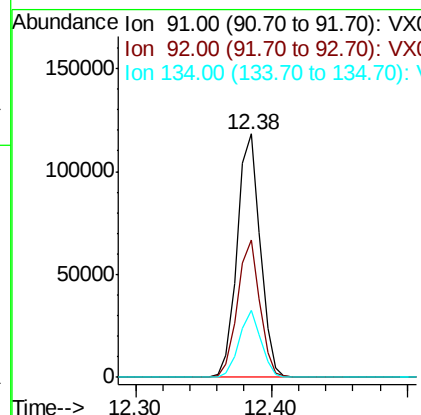
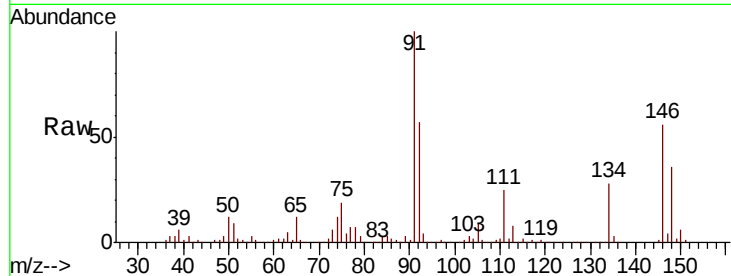
#89
n-Butylbenzene
Concen: 15.717 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.5
134	26.0	12.9	38.7

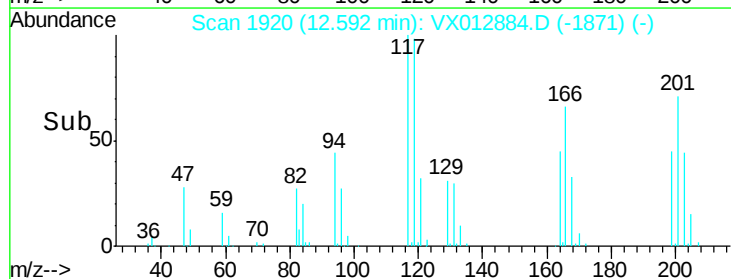
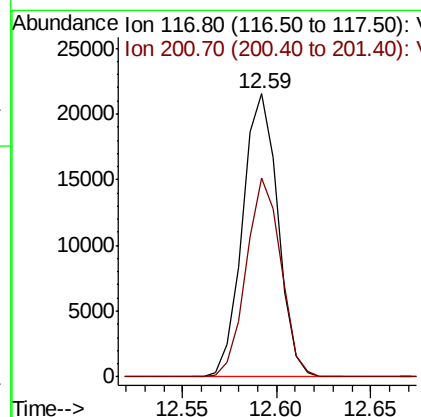
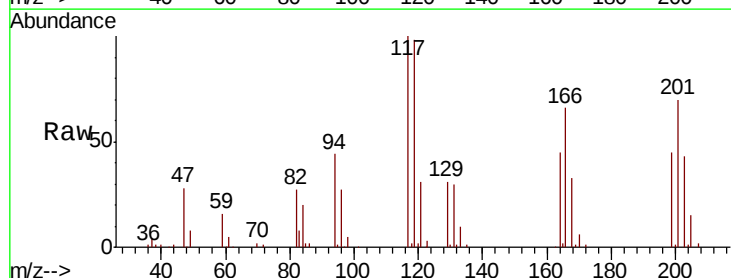
Manual Integrations
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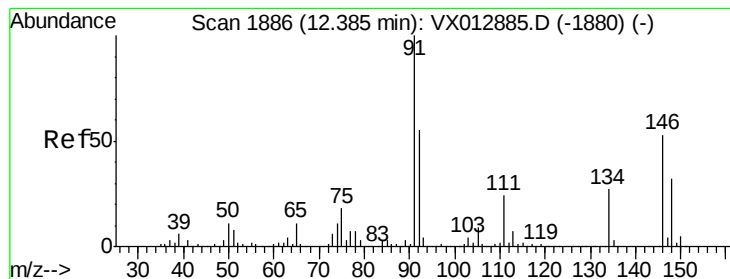
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#90
Hexachloroethane
Concen: 15.608 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	36.9	110.7





#91

1,2-Dichlorobenzene

Concen: 16.645 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 146 Resp: 80978

Ion Ratio Lower Upper

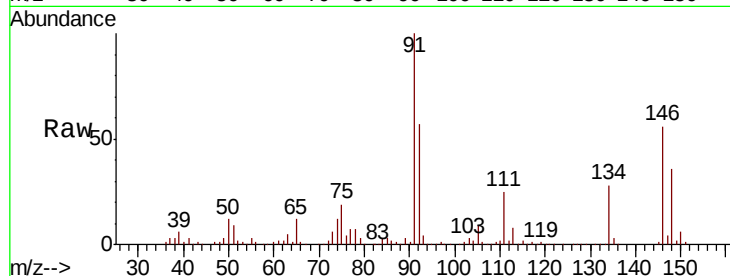
146 100

111 44.4 22.7 68.0

148 64.5 31.6 94.7

Manual Integrations
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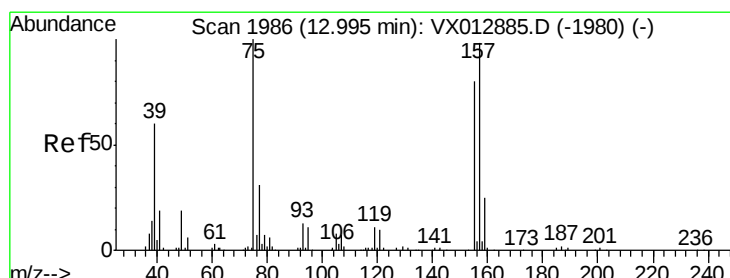
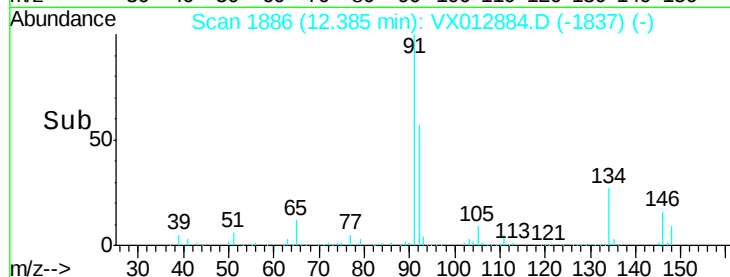
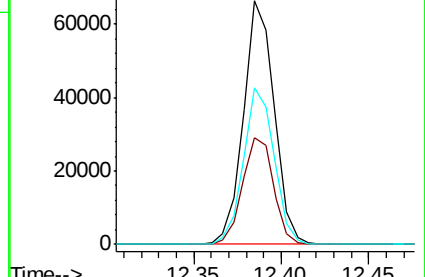
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.064 ug/l

RT: 12.99 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

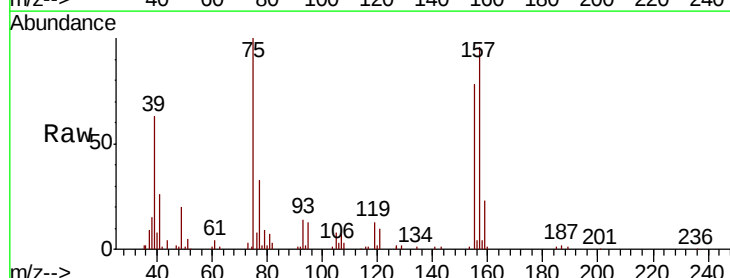
Tgt Ion: 75 Resp: 14638

Ion Ratio Lower Upper

75 100

155 82.8 43.0 128.8

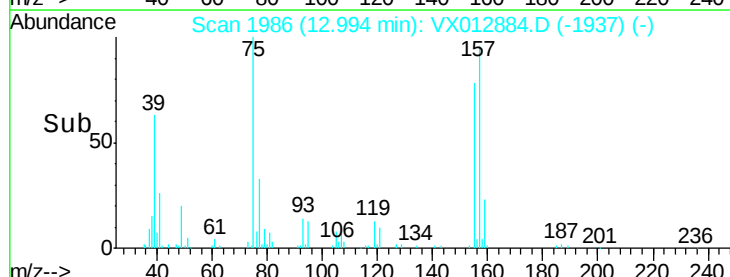
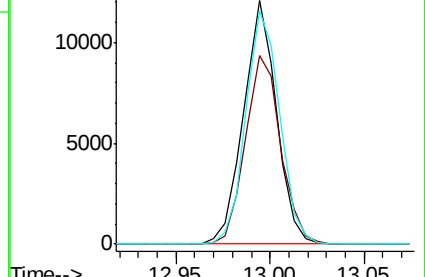
157 99.2 54.1 162.3

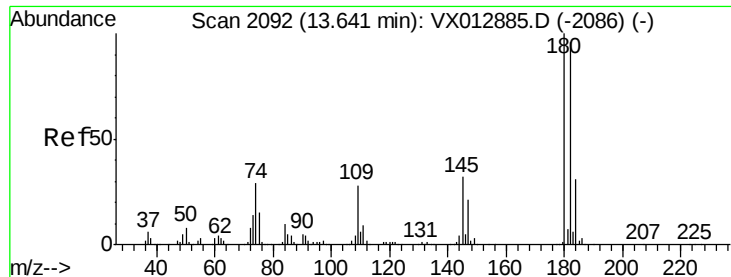


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 16.171 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Instrument :

MSVOA_X

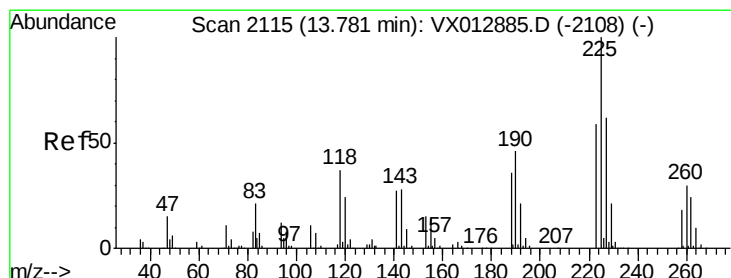
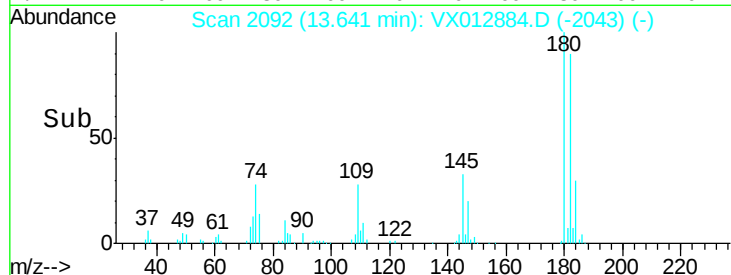
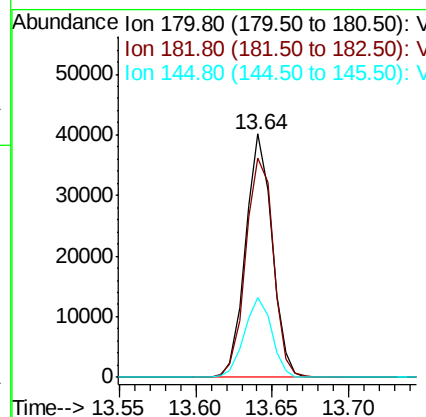
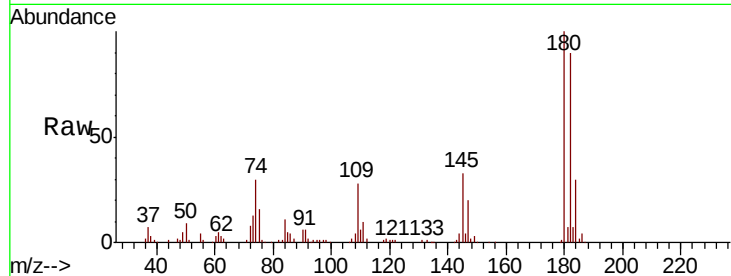
ClientSampleId :

VSTDIC020

Tot Ion:	180	Resp:	48317
Ion Ratio	Lower	Upper	
180	100		
182	94.0	46.8	140.4
145	33.7	16.2	48.6

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:37:03 AM



#94

Hexachlorobutadiene

Concen: 16.778 ug/l

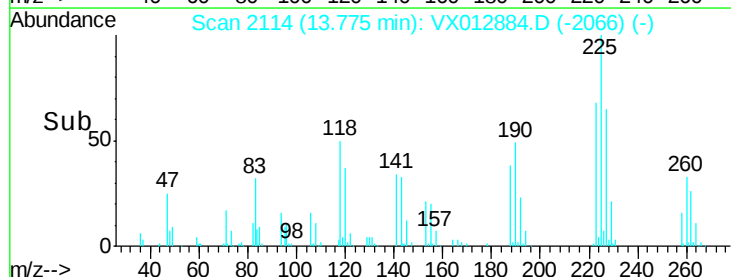
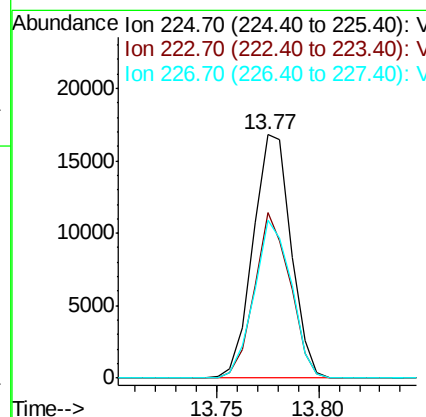
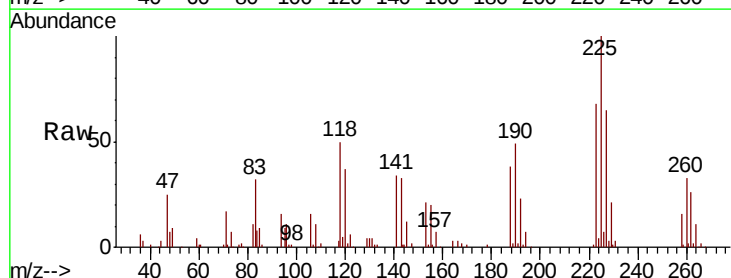
RT: 13.77 min Scan# 2114

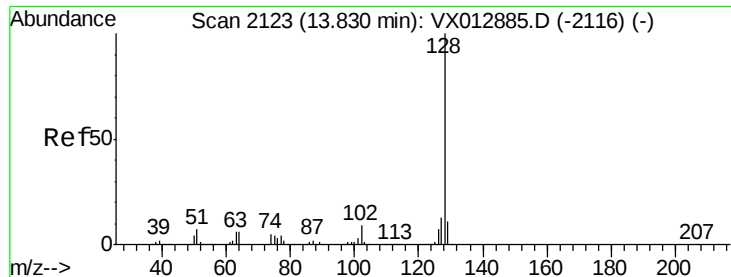
Delta R.T. -0.01 min

Lab File: VX012884.D

Acq: 08 Oct 2019 11:50

Tgt Ion:	225	Resp:	21759
Ion Ratio	Lower	Upper	
225	100		
223	63.7	31.1	93.2
227	63.4	32.3	96.9





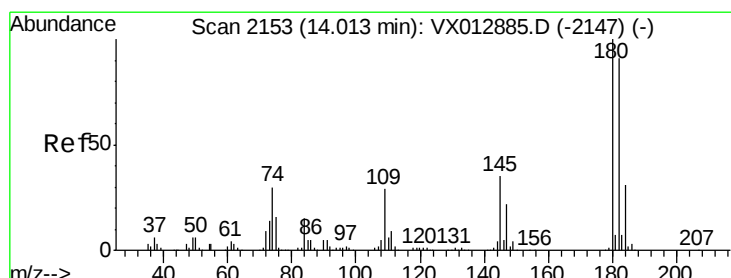
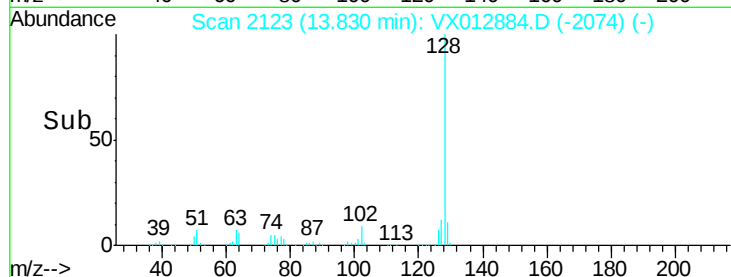
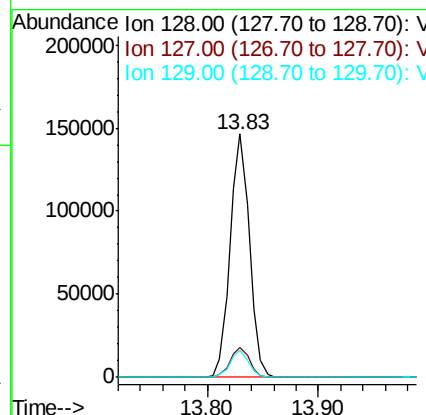
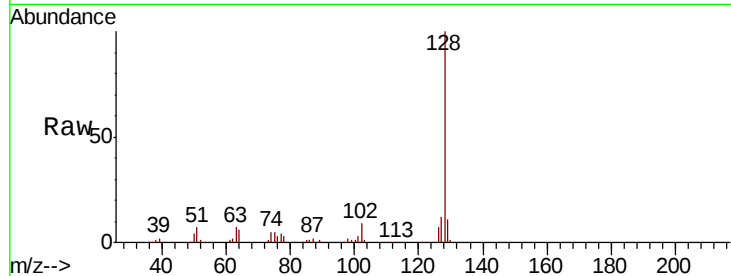
#95
Naphthalene
Concen: 16.442 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	175959		
127	12.5		10.2	15.4
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:37:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.081 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012884.D
Acq: 08 Oct 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51015		
182	93.6		47.5	142.5
145	33.9		17.4	52.3

