

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000143.D
 Acq On : 26 Sep 2019 10:49
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:12:47 AM

Quant Time: Sep 26 14:08:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	201012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	341367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	296321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	143946	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	18266	10.38	ug/l	0.00
Spiked Amount			Recovery	=	20.76%	
35) Dibromofluoromethane	7.73	113	19349	10.82	ug/l	0.01
Spiked Amount			Recovery	=	21.64%	
50) Toluene-d8	10.18	98	76064	10.05	ug/l	0.00
Spiked Amount			Recovery	=	20.10%	
62) 4-Bromofluorobenzene	12.48	95	32031	11.62	ug/l	0.00
Spiked Amount			Recovery	=	23.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	19551	12.236	ug/l	97
3) Chloromethane	2.11	50	26680	11.442	ug/l	99
4) Vinyl Chloride	2.25	62	27182	10.851	ug/l	96
5) Bromomethane	2.64	94	19750	11.692	ug/l	98
6) Chloroethane	2.79	64	16316	10.492	ug/l	90
7) Trichlorofluoromethane	3.12	101	32484	10.758	ug/l	99
8) Diethyl Ether	3.53	74	12779	10.615	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	21733	11.026	ug/l	98
10) Methyl Iodide	4.09	142	30826	10.143	ug/l	98
11) Tert butyl alcohol	4.97	59	9971	56.694	ug/l #	91
12) 1,1-Dichloroethene	3.86	96	23209	11.228	ug/l	98
13) Acrolein	3.73	56	10834	49.603	ug/l	96
14) Allyl chloride	4.47	41	27060	10.462	ug/l	99
15) Acrylonitrile	5.18	53	29692	54.232	ug/l	96
16) Acetone	3.95	43	24388	56.540	ug/l #	86
17) Carbon Disulfide	4.19	76	71271	11.116	ug/l #	94
18) Methyl Acetate	4.47	43	12970	10.160	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	52985	10.828	ug/l	98
20) Methylene Chloride	4.71	84	28905	11.603	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	24859	10.794	ug/l	90
22) Diisopropyl ether	6.12	45	57946	10.660	ug/l #	96
23) Vinyl Acetate	6.07	43	179319	52.638	ug/l	100
24) 1,1-Dichloroethane	6.02	63	35553	10.804	ug/l	97
25) 2-Butanone	6.99	43	36345	53.779	ug/l	99
26) 2,2-Dichloropropane	6.99	77	32357	10.814	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	28356	11.079	ug/l	99
28) Bromochloromethane	7.35	49	11662	9.302	ug/l	98
29) Tetrahydrofuran	7.36	42	22434	53.847	ug/l	99
30) Chloroform	7.51	83	37383	10.855	ug/l	91
31) Cyclohexane	7.78	56	38200	11.229	ug/l	89
32) 1,1,1-Trichloroethane	7.70	97	32415	10.734	ug/l	98
36) 1,1-Dichloropropene	7.92	75	28705	10.119	ug/l	96
37) Ethyl Acetate	7.08	43	16516	11.021	ug/l	97
38) Carbon Tetrachloride	7.90	117	28407	10.257	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	42062	10.454	ug/l	97
40) Benzene	8.16	78	94013	10.491	ug/l	98
41) Methacrylonitrile	7.32	41	7713	9.492	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	22926	10.515	ug/l	100
43) Isopropyl Acetate	8.28	43	29223	10.557	ug/l	95
44) Trichloroethene	8.94	130	30252	10.564	ug/l	95
45) 1,2-Dichloropropane	9.22	63	20115	10.175	ug/l	99
46) Dibromomethane	9.31	93	12840	10.643	ug/l	99
47) Bromodichloromethane	9.50	83	28386	10.439	ug/l #	98
48) Methyl methacrylate	9.29	41	13968	11.268	ug/l	90
49) 1,4-Dioxane	9.30	88	3889	208.650	ug/l #	96
51) 4-Methyl-2-Pentanone	10.07	43	78061	54.329	ug/l	98
52) Toluene	10.24	92	58843	10.139	ug/l	94
53) t-1,3-Dichloropropene	10.47	75	30013	10.507	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	34734	10.261	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	18969	10.574	ug/l	95
56) Ethyl methacrylate	10.51	69	24241	10.389	ug/l	98
57) 1,3-Dichloropropane	10.79	76	30100	10.442	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	50678	46.239	ug/l	96
59) 2-Hexanone	10.83	43	54008	52.887	ug/l	95
60) Dibromochloromethane	10.98	129	20644	10.180	ug/l	99
61) 1,2-Dibromoethane	11.09	107	18415	10.758	ug/l	99
64) Tetrachloroethene	10.72	164	30581	10.418	ug/l	95
65) Chlorobenzene	11.51	112	65761	10.664	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	21016	10.086	ug/l	96
67) Ethyl Benzene	11.59	91	111436	10.572	ug/l	100
68) m/p-Xylenes	11.70	106	89711	21.053	ug/l	96
69) o-Xylene	12.03	106	43960	10.817	ug/l	97
70) Styrene	12.04	104	73102	10.629	ug/l	97
71) Bromoform	12.20	173	12754	10.416	ug/l #	95
73) Isopropylbenzene	12.33	105	108109	10.409	ug/l	100
74) N-amyl acetate	12.14	43	25832	10.276	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	18242	11.284	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	16761m	11.821	ug/l	
77) Bromobenzene	12.61	156	26203	10.213	ug/l	97
78) n-propylbenzene	12.67	91	130115	10.510	ug/l	100
79) 2-Chlorotoluene	12.75	91	69826	10.366	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	91648	10.608	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	7350	10.111	ug/l	92
82) 4-Chlorotoluene	12.85	91	72909	10.388	ug/l	99
83) tert-Butylbenzene	13.07	119	80086	10.765	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	89916	10.299	ug/l	97
85) sec-Butylbenzene	13.25	105	111755	10.463	ug/l	99
86) p-Isopropyltoluene	13.36	119	98444	10.349	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	51609	10.498	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	51561	10.537	ug/l	98
89) n-Butylbenzene	13.69	91	95079	10.518	ug/l	99
90) Hexachloroethane	13.95	117	18783	10.452	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	46930	10.448	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3054	9.575	ug/l	76

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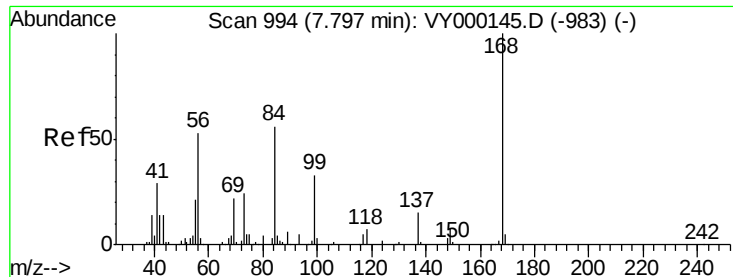
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	31930	10.246	ug/l	98
94) Hexachlorobutadiene	15.11	225	16044	10.552	ug/l	97
95) Naphthalene	15.23	128	75251	10.784	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	29915	10.703	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 201012

Ion Ratio Lower Upper

168 100

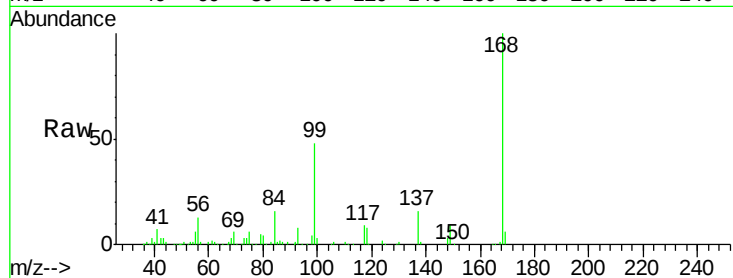
99 47.9 37.9 56.9

Manual Integrations

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10/2/2019 9:12:47 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000143.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000143.D (-983) (-)

7.80

80000

60000

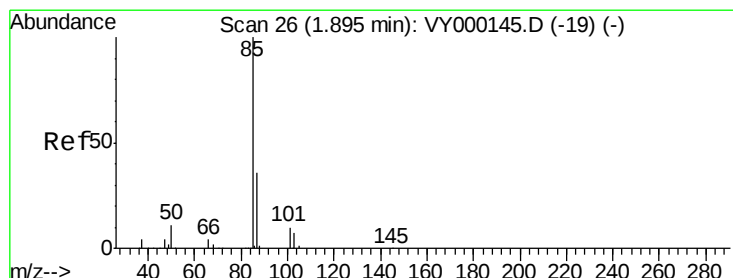
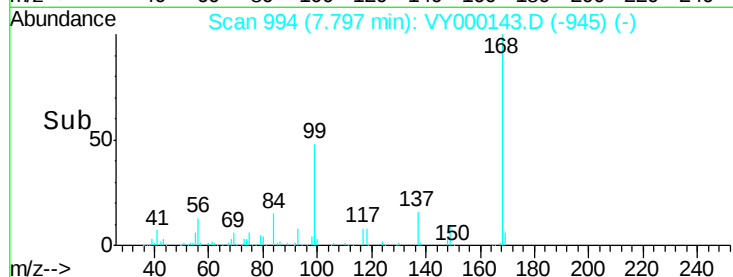
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 12.236 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.01 min

Lab File: VY000143.D

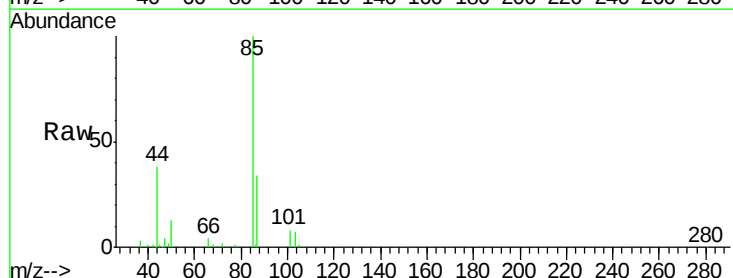
Acq: 26 Sep 2019 10:49

Tgt Ion: 85 Resp: 19551

Ion Ratio Lower Upper

85 100

87 34.2 17.9 53.8



Abundance Ion 84.90 (84.60 to 85.60): VY000143.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000143.D (-1) (-)

1.90

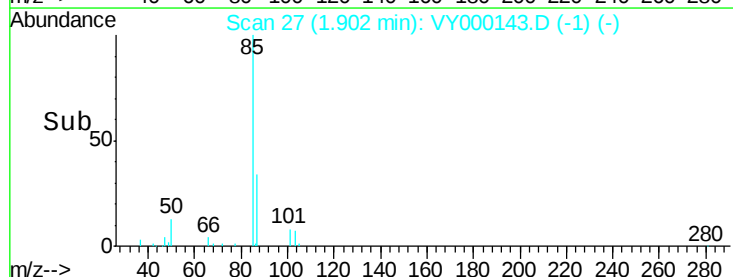
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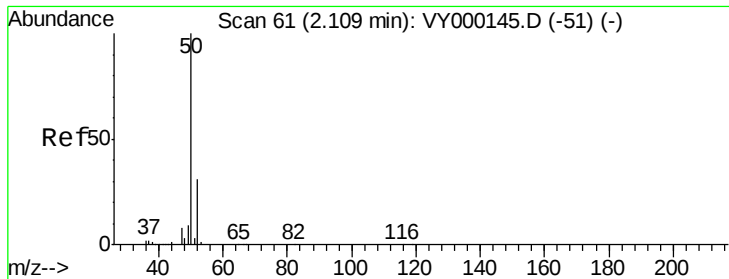
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 11.442 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 26680

Ion Ratio Lower Upper

50 100

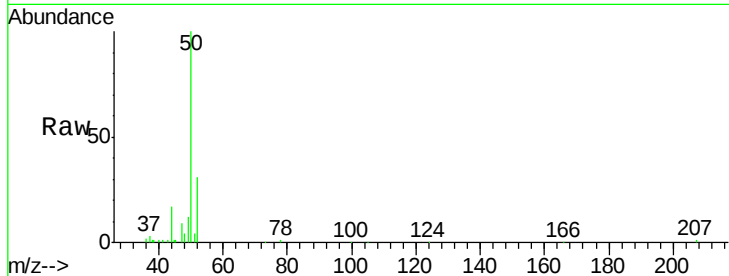
52 30.9 25.0 37.6

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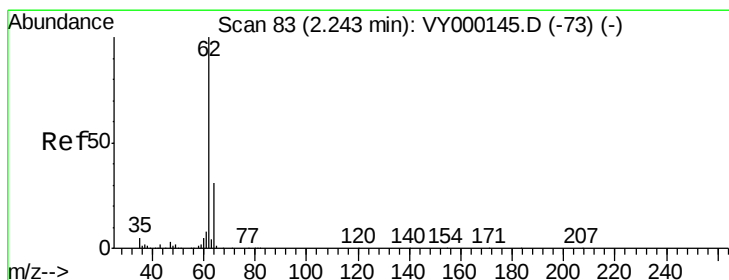
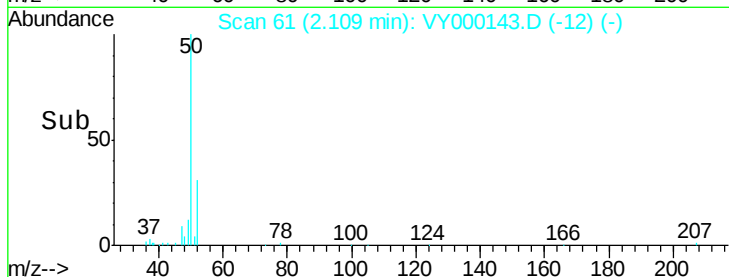
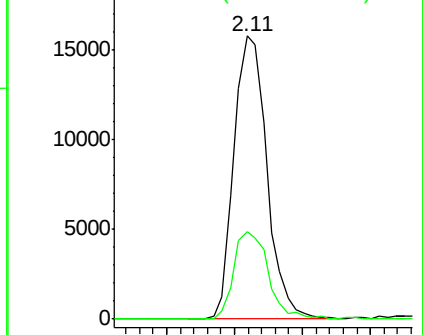
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 10.851 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.01 min

Lab File: VY000143.D

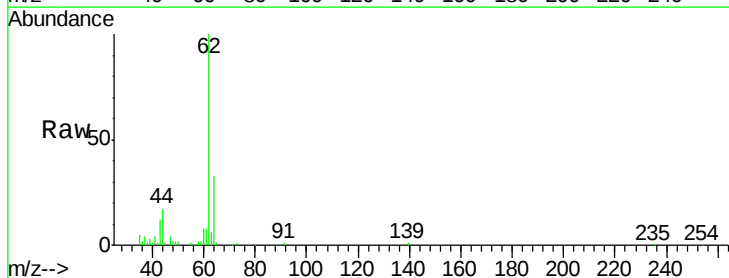
Acq: 26 Sep 2019 10:49

Tgt Ion: 62 Resp: 27182

Ion Ratio Lower Upper

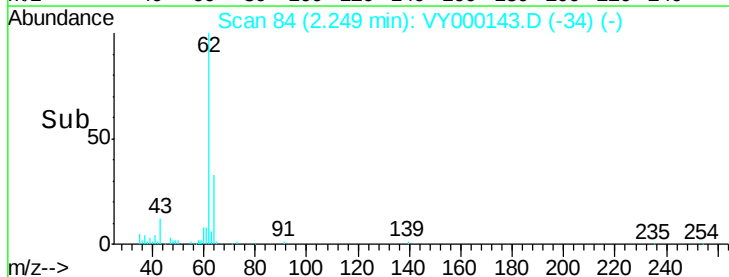
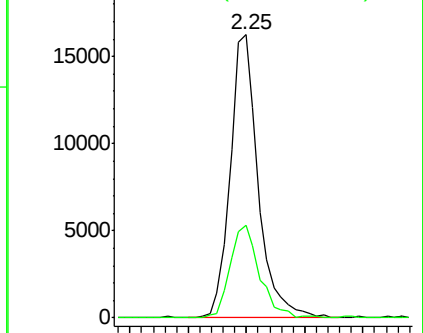
62 100

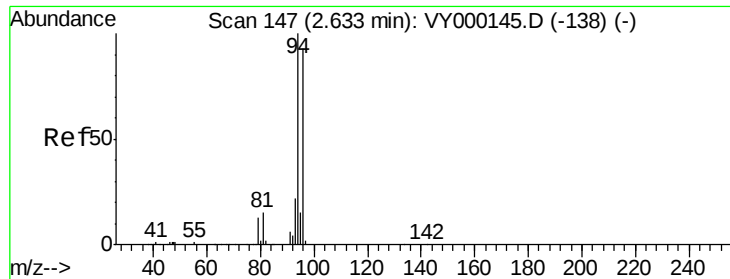
64 32.5 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 11.692 ug/l

RT: 2.64 min Scan# 148

Delta R.T. 0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 19750

Ion Ratio Lower Upper

94 100

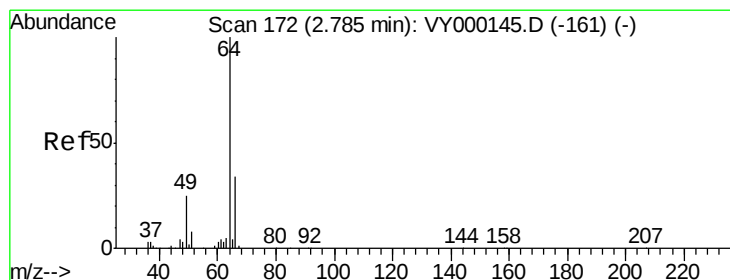
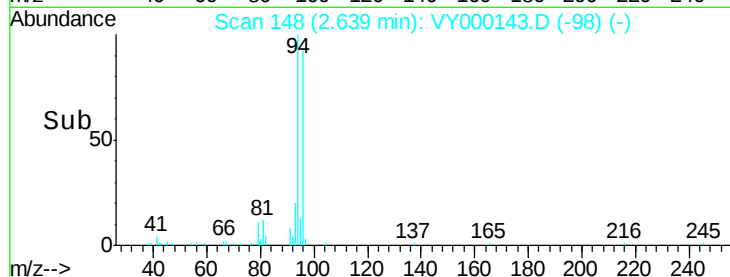
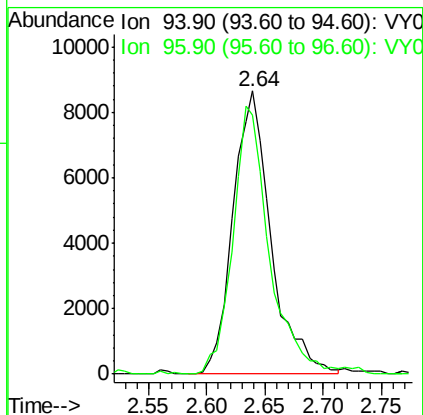
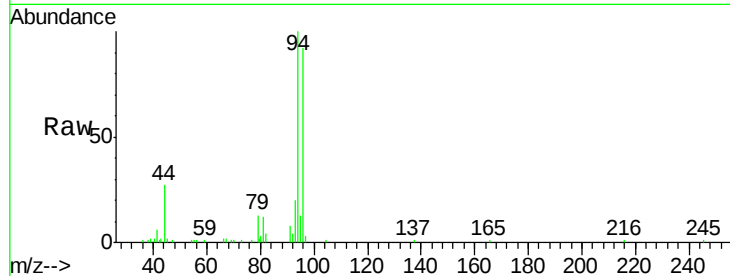
96 91.6 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 10.492 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000143.D

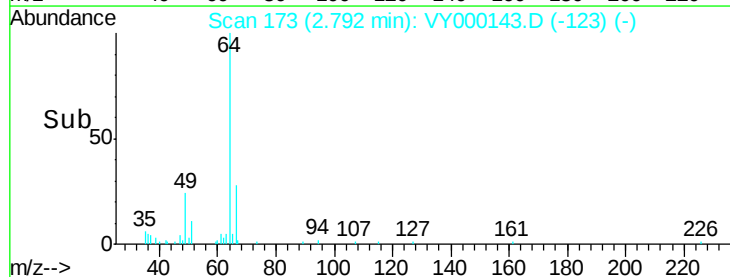
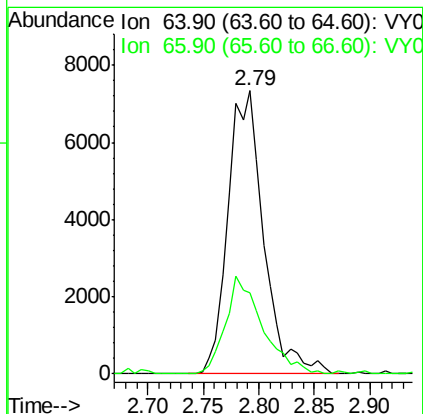
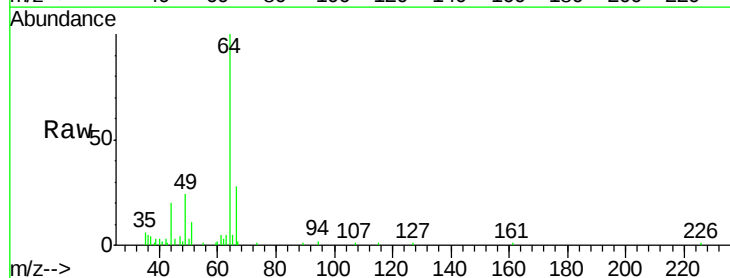
Acq: 26 Sep 2019 10:49

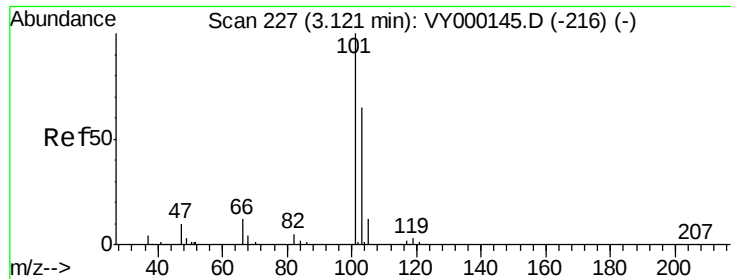
Tgt Ion: 64 Resp: 16316

Ion Ratio Lower Upper

64 100

66 28.5 27.4 41.0





#7

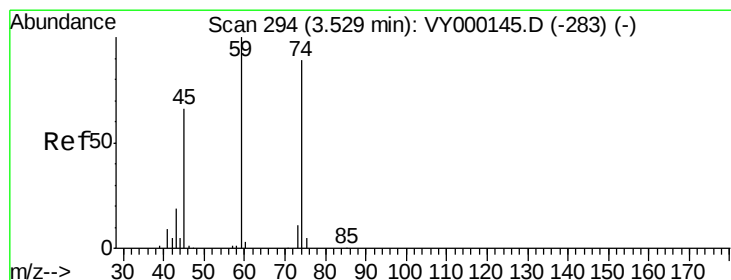
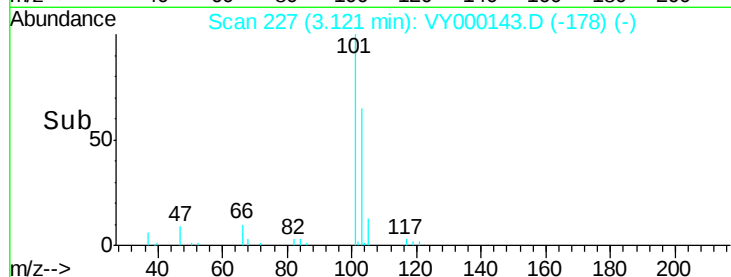
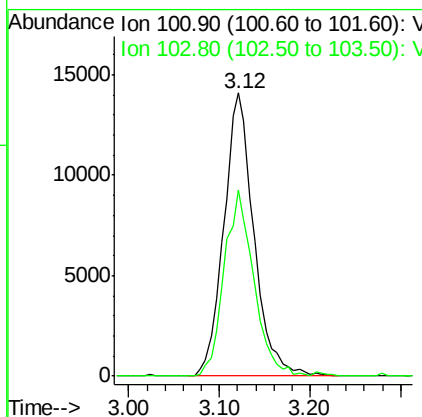
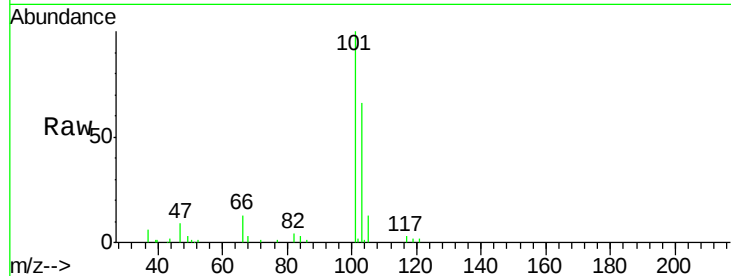
Trichlorofluoromethane
Concen: 10.758 ug/l
RT: 3.12 min Scan# 227
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
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ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.9	77.9

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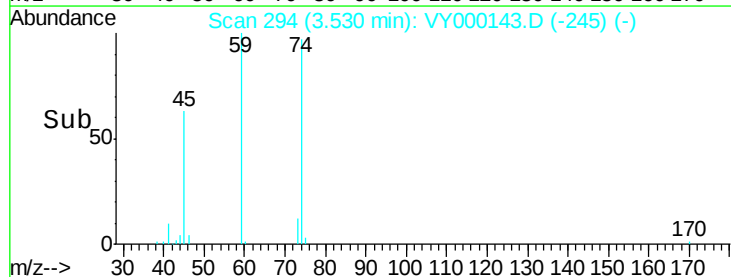
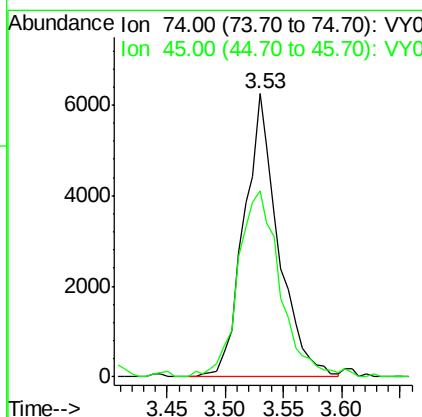
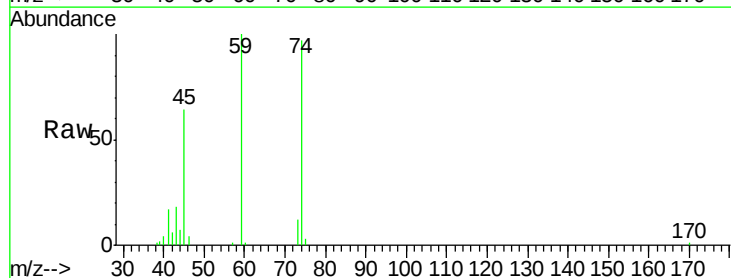
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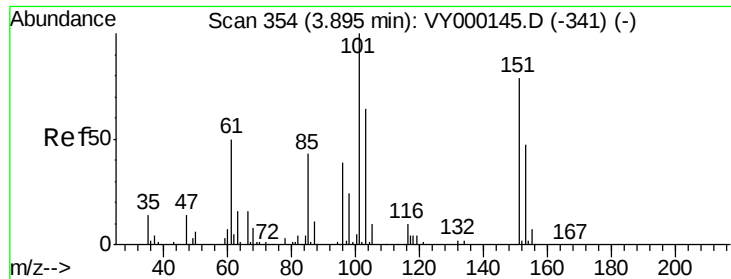


#8

Diethyl Ether
Concen: 10.615 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.0	37.7	113.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.026 ug/l

RT: 3.90 min Scan# 354

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

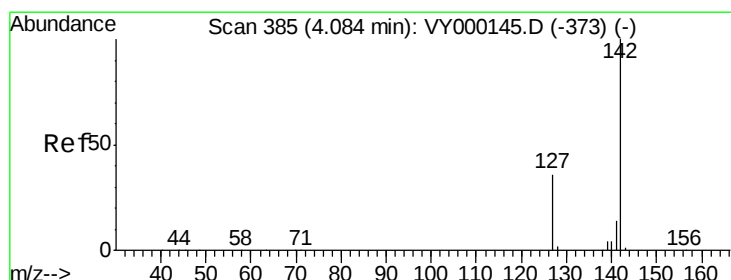
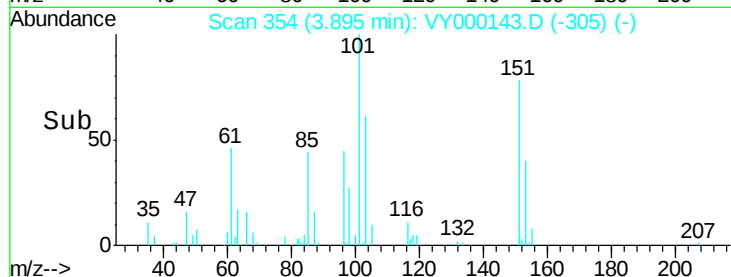
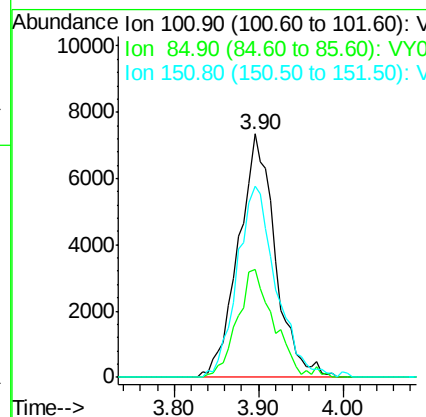
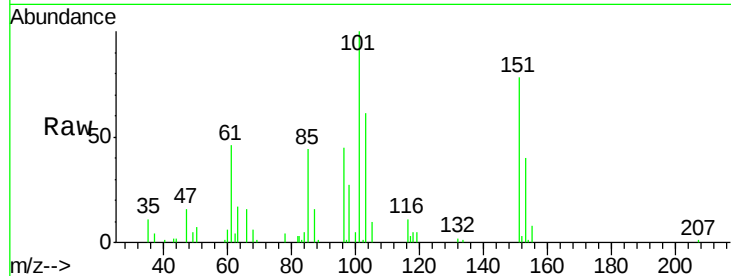
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	21733
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.8	52.2
151	82.8	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 10.143 ug/l

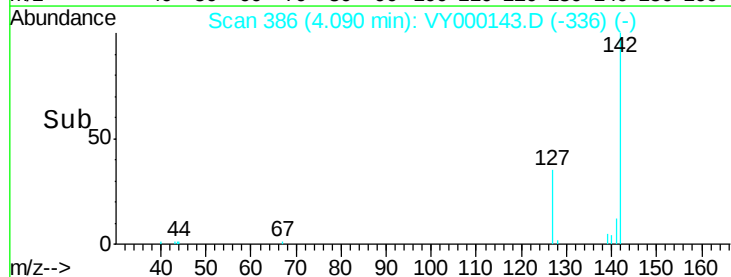
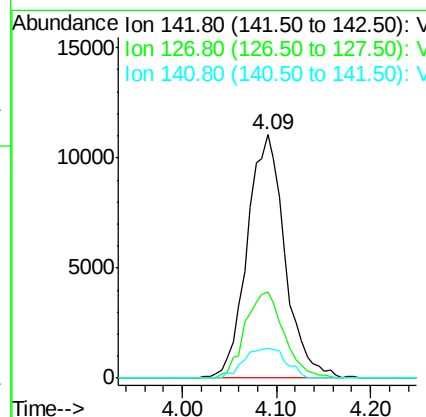
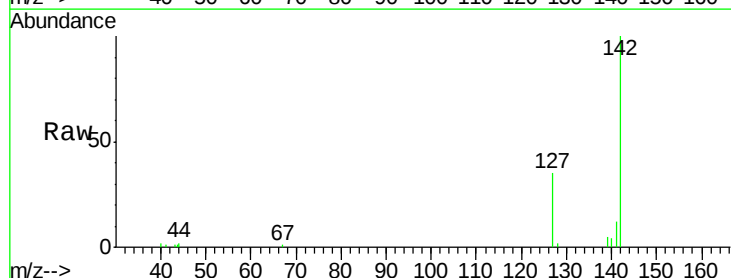
RT: 4.09 min Scan# 386

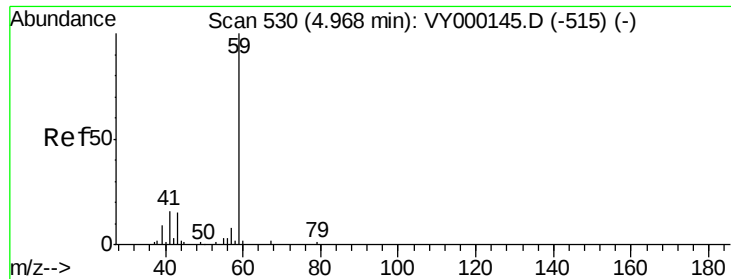
Delta R.T. 0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Tgt Ion:	142	Resp:	30826
Ion Ratio	Lower	Upper	
142	100		
127	36.3	30.0	45.0
141	13.6	11.0	16.6





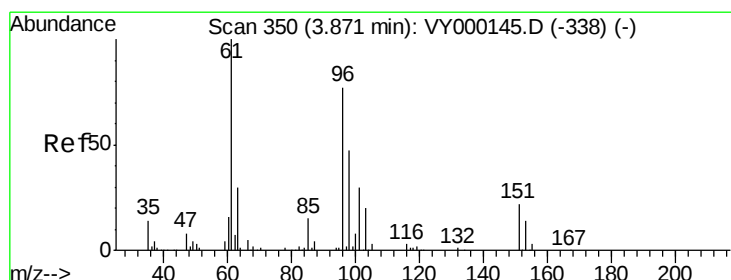
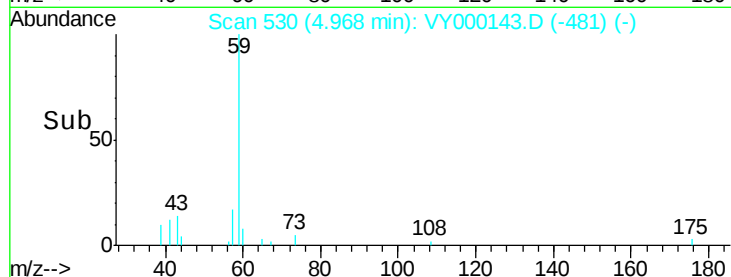
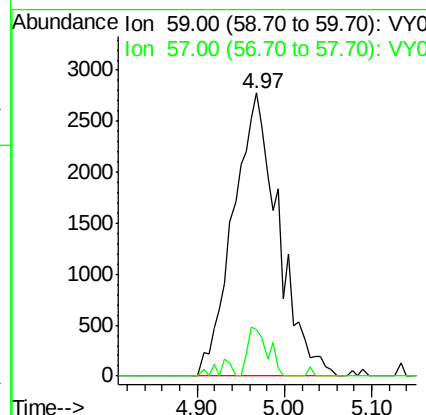
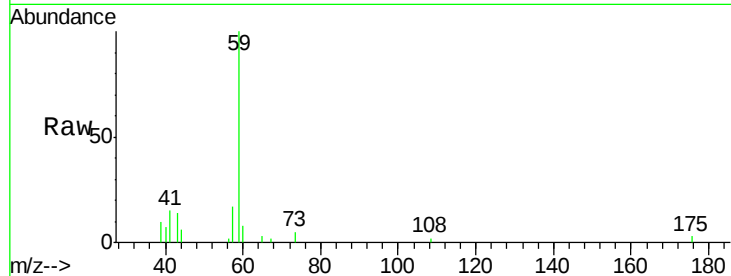
#11
Tert butyl alcohol
Concen: 56.694 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
59	100	9971		
57	7.8	8.9	13.3#	

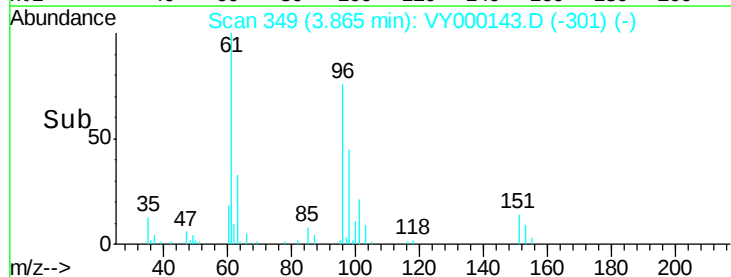
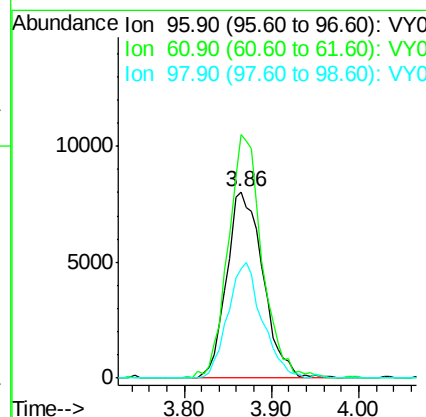
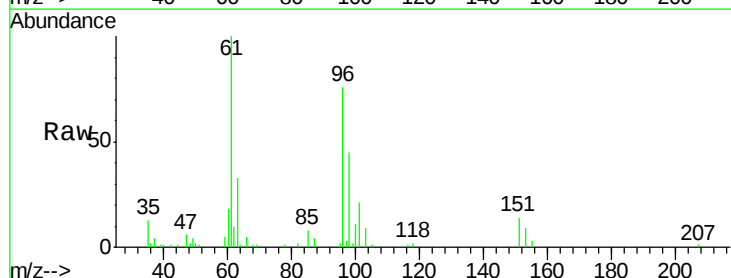
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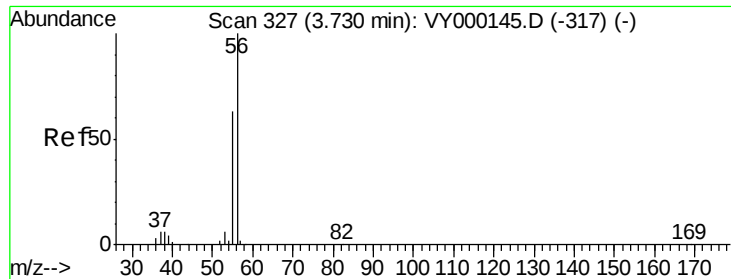
MMDadoda
10/2/2019 9:12:47 AM



#12
1,1-Dichloroethene
Concen: 11.228 ug/l
RT: 3.86 min Scan# 349
Delta R.T. -0.01 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	23209		
61	130.9	103.6	155.4	
98	58.9	48.7	73.1	





#13

Acrolein

Concen: 49.603 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 10834

Ion Ratio Lower Upper

56 100

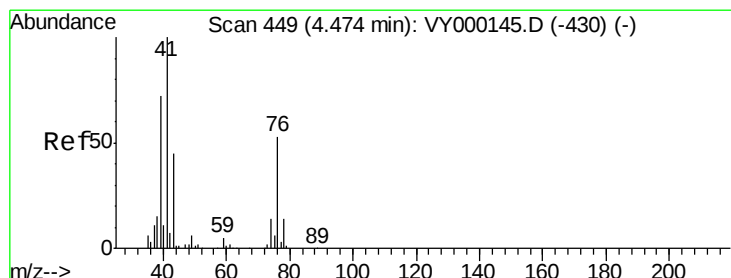
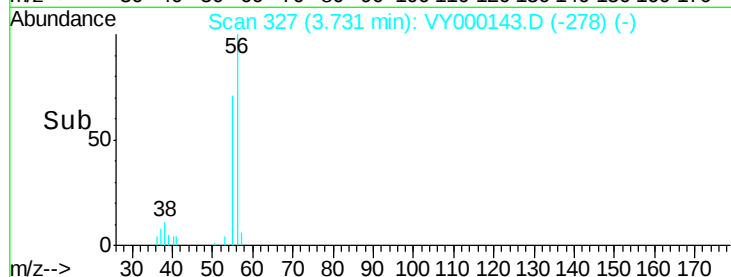
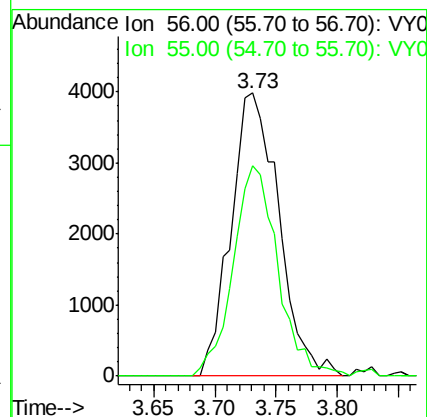
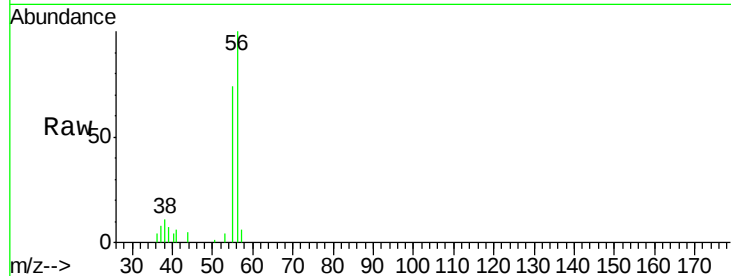
55 69.4 53.1 79.7

Manual Integrations

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#14

Allyl chloride

Concen: 10.462 ug/l

RT: 4.47 min Scan# 449

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

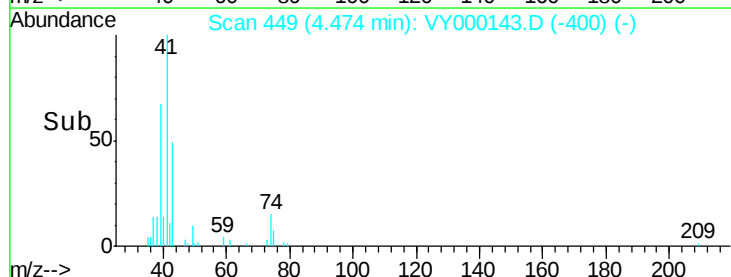
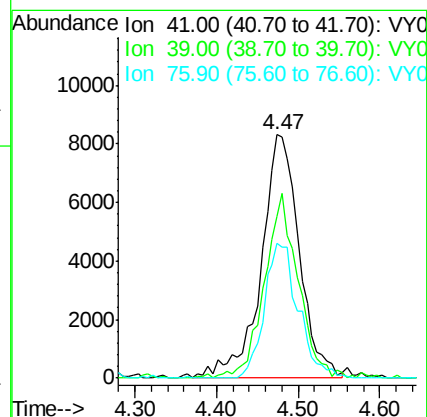
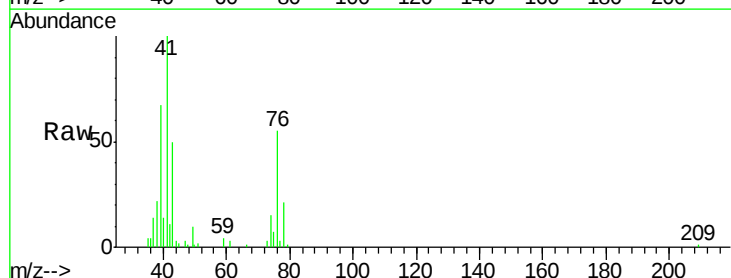
Tgt Ion: 41 Resp: 27060

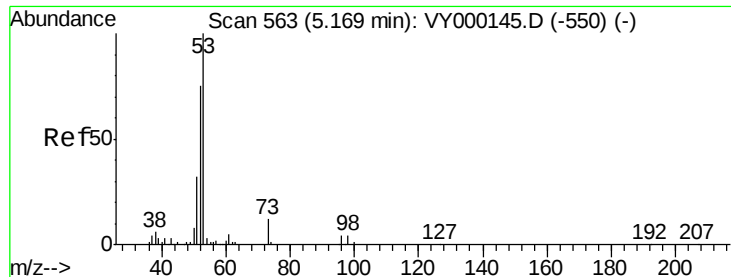
Ion Ratio Lower Upper

41 100

39 66.8 54.6 82.0

76 49.4 39.0 58.6





#15

Acrylonitrile

Concen: 54.232 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

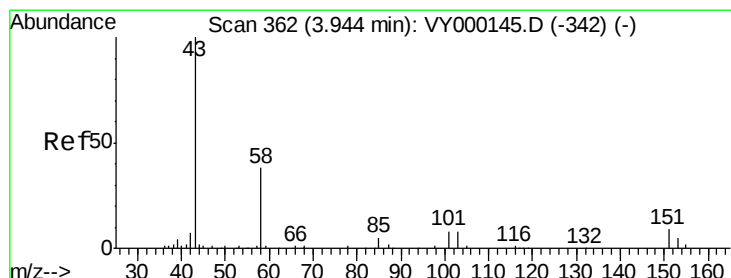
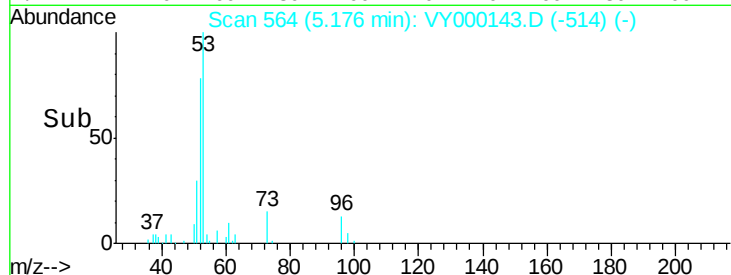
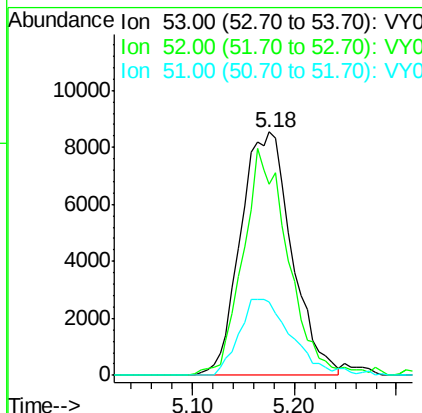
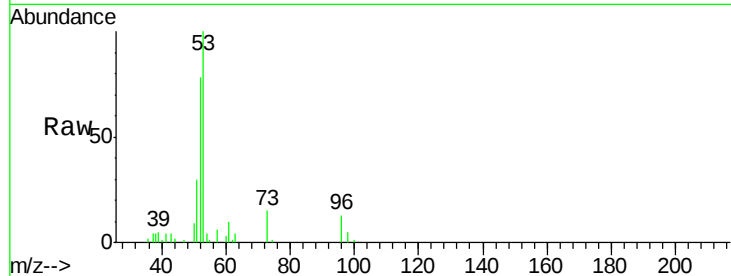
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	29692
Ion	Ratio	Lower	Upper
53	100		
52	82.6	62.9	94.3
51	32.1	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 56.540 ug/l

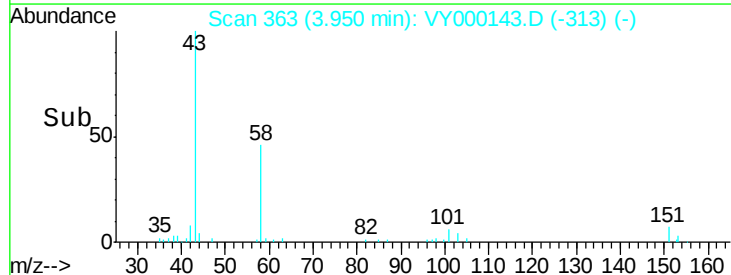
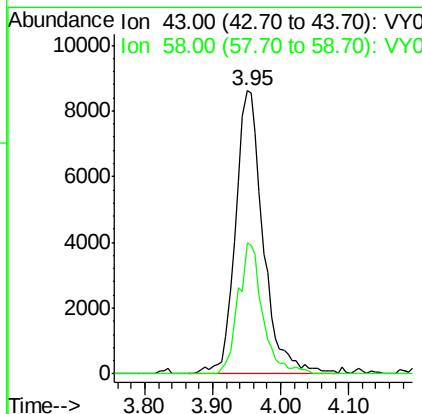
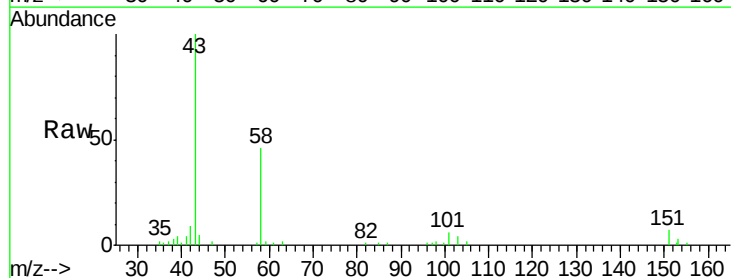
RT: 3.95 min Scan# 363

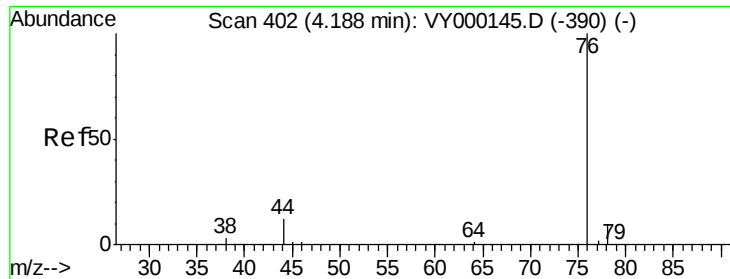
Delta R.T. 0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Tgt Ion:	43	Resp:	24388
Ion	Ratio	Lower	Upper
43	100		
58	46.4	30.4	45.6#





#17

Carbon Disulfide

Concen: 11.116 ug/l

RT: 4.19 min Scan# 402

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 71271

Ion Ratio Lower Upper

76 100

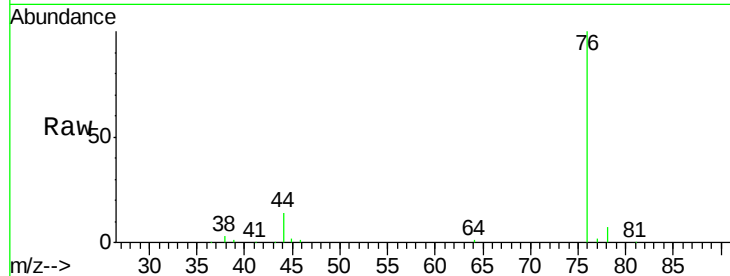
78 6.6 7.0 10.4#

Manual Integrations

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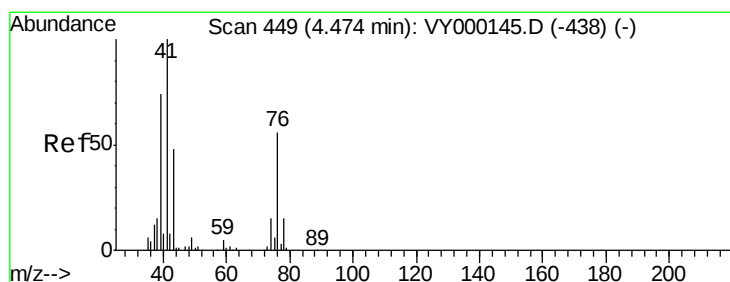
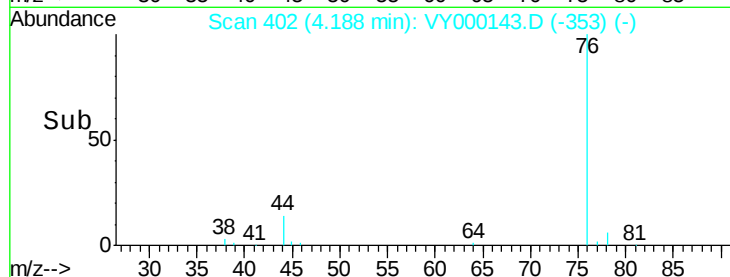
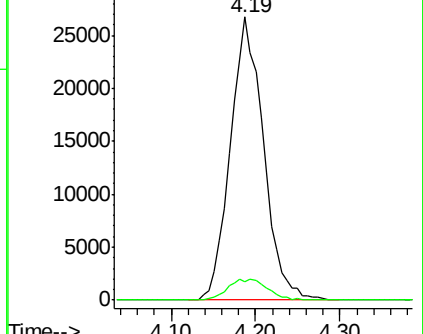
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 10.160 ug/l

RT: 4.47 min Scan# 449

Delta R.T. 0.00 min

Lab File: VY000143.D

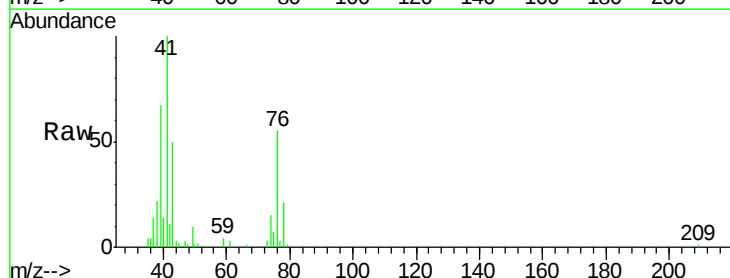
Acq: 26 Sep 2019 10:49

Tgt Ion: 43 Resp: 12970

Ion Ratio Lower Upper

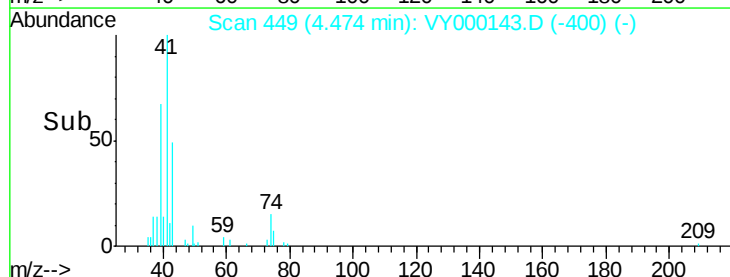
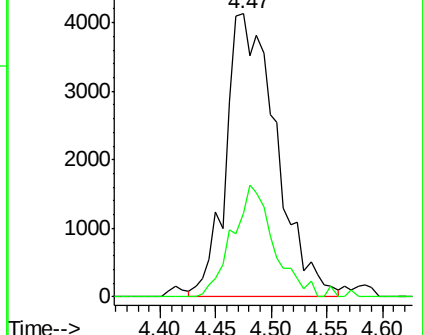
43 100

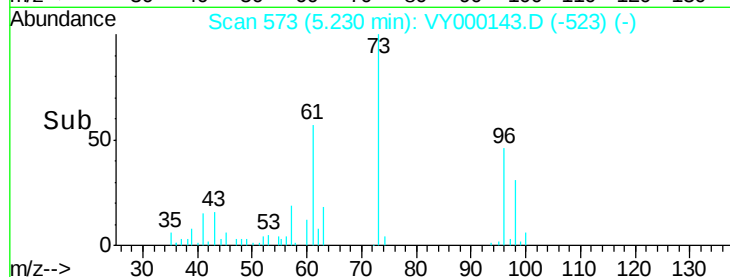
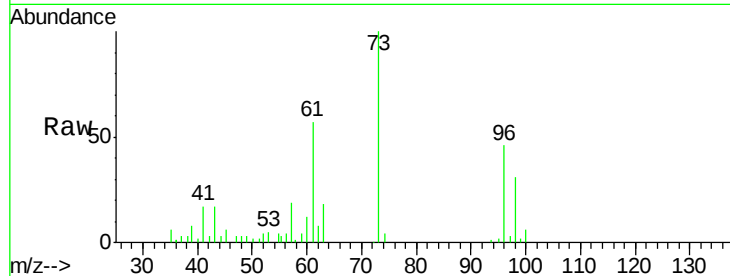
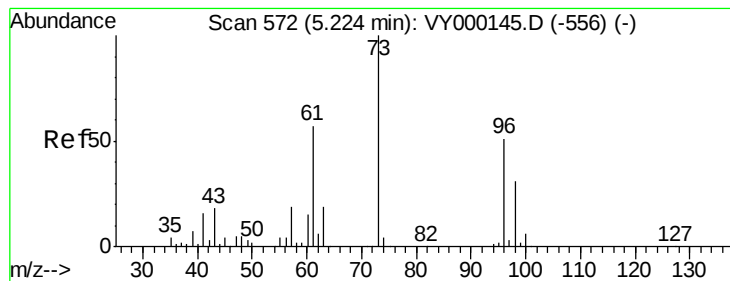
74 32.3 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

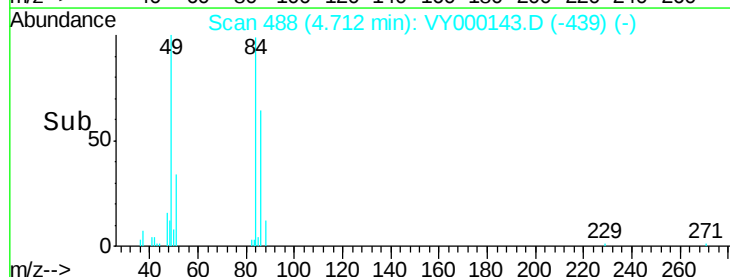
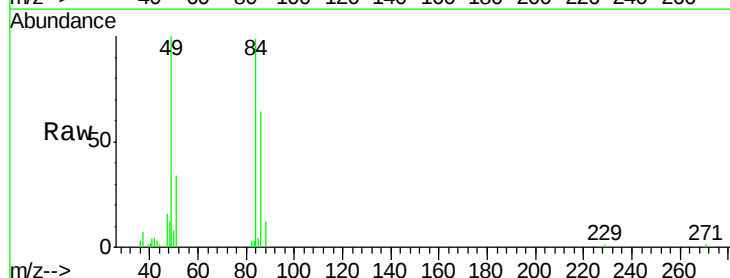
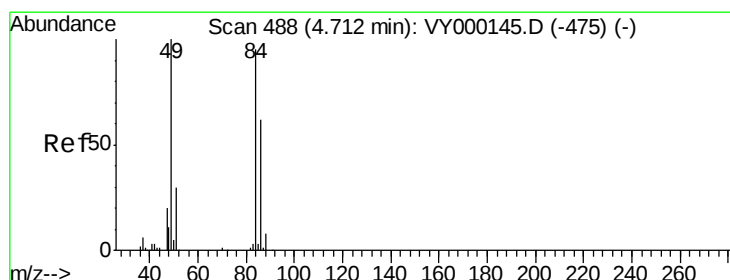
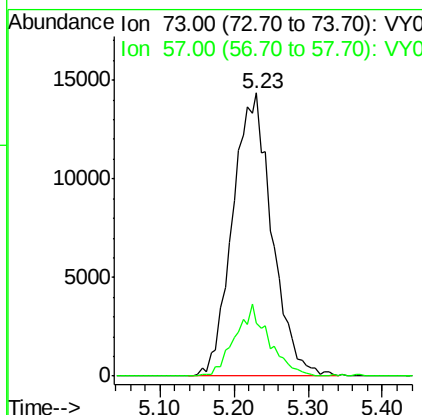
Methyl tert-butyl Ether
Concen: 10.828 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tot Ion	73	Resp	52985
Ion Ratio	100	Lower	Upper
57	18.6	15.5	23.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Manual Integrations
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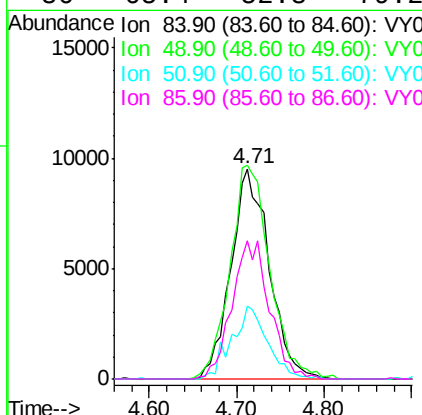
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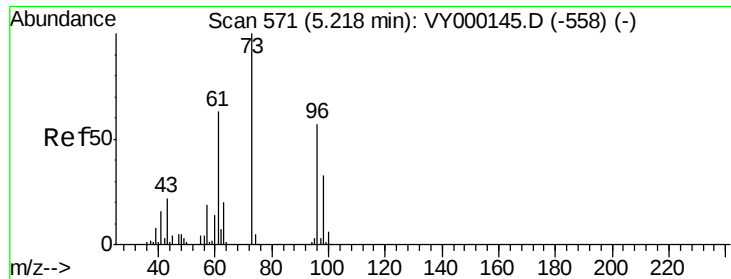


#20

Methylene Chloride
Concen: 11.603 ug/l
RT: 4.71 min Scan# 488
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	84	Resp	28905
Ion Ratio	100	Lower	Upper
49	101.4	84.6	126.8
51	34.8	25.4	38.2
86	65.4	52.8	79.2





#21

trans-1,2-Dichloroethene

Concen: 10.794 ug/l

RT: 5.22 min Scan# 571

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

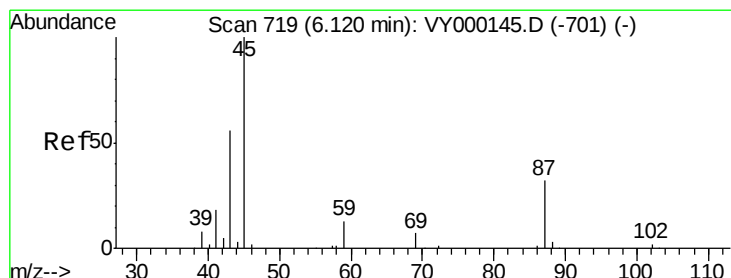
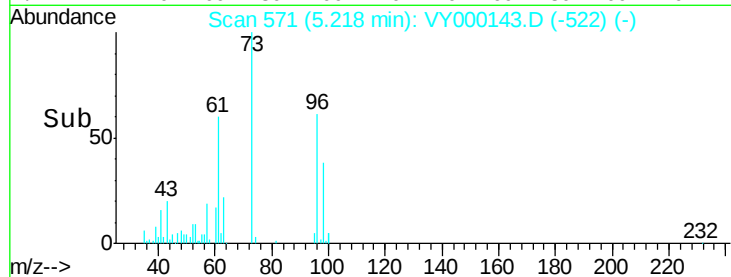
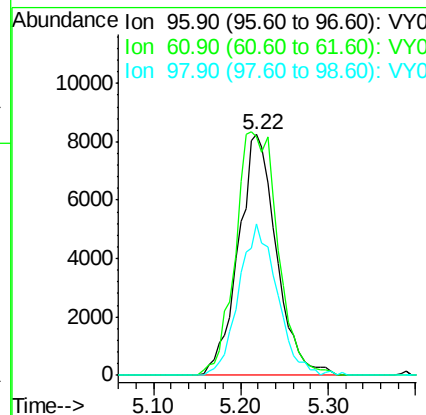
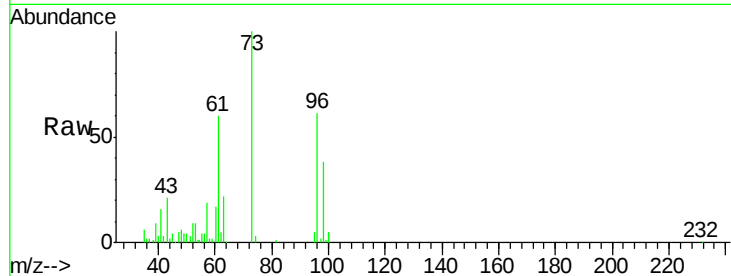
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	24859
Ion	Ratio	Lower	Upper
96	100		
61	98.9	88.0	132.0
98	62.6	45.6	68.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.660 ug/l

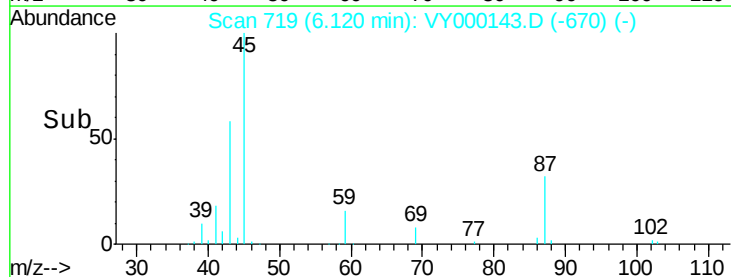
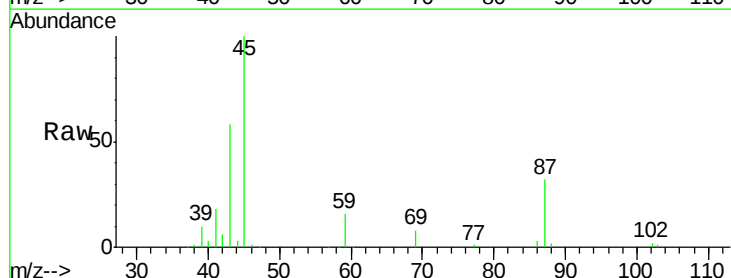
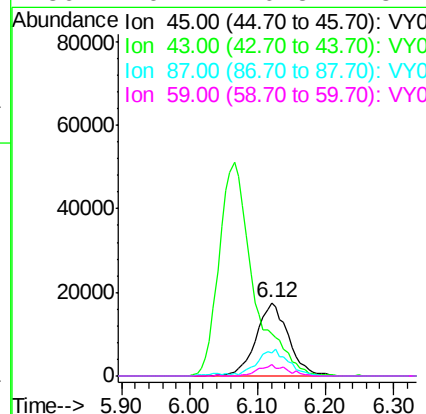
RT: 6.12 min Scan# 719

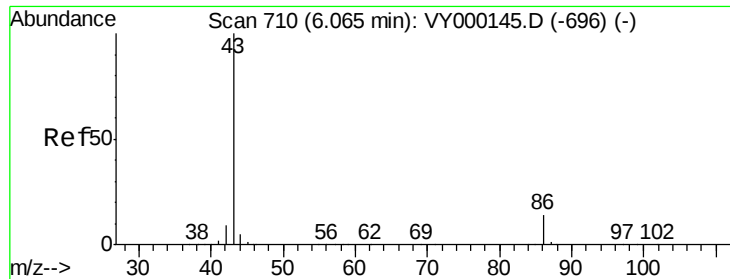
Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Tgt Ion:	45	Resp:	57946
Ion	Ratio	Lower	Upper
45	100		
43	57.9	48.4	72.6
87	32.0	26.6	39.8
59	16.4	10.5	15.7#





#23

Vinyl Acetate

Concen: 52.638 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 179319

Ion Ratio Lower Upper

43 100

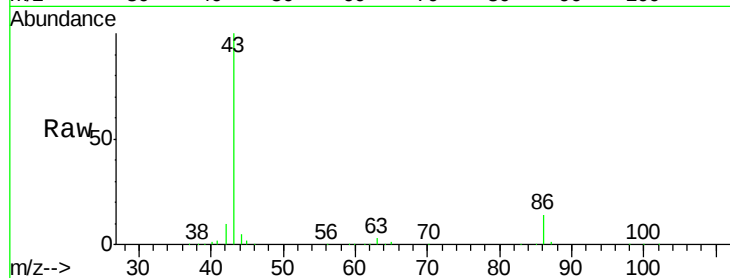
86 13.8 11.1 16.7

Manual Integrations

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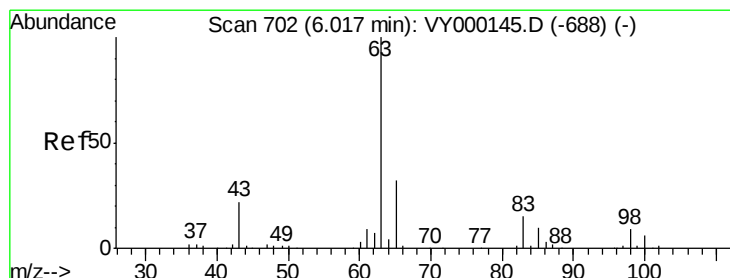
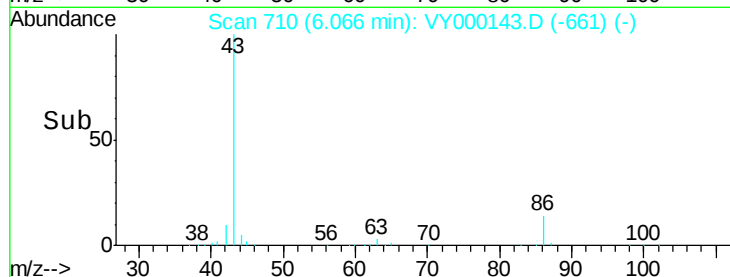
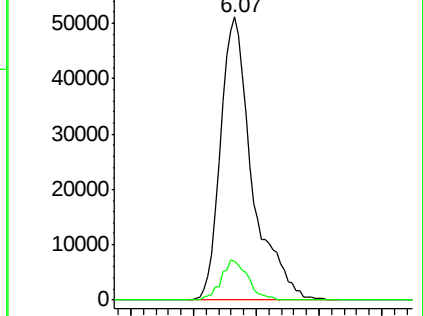
MMDadoda

10/2/2019 9:12:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 10.804 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

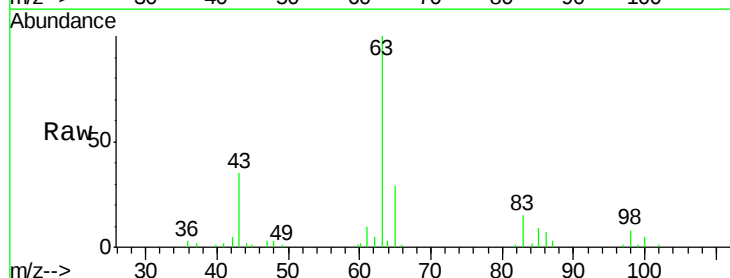
Tgt Ion: 63 Resp: 35553

Ion Ratio Lower Upper

63 100

98 8.2 4.6 13.8

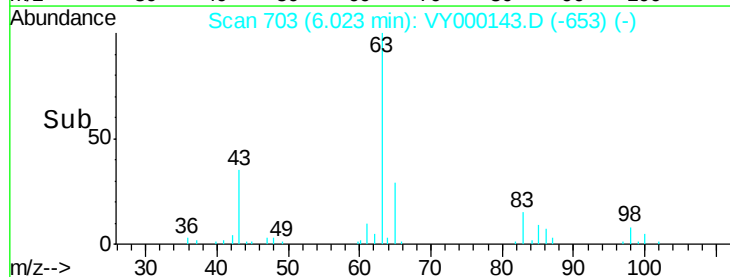
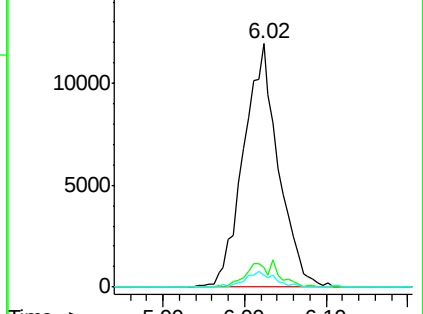
100 4.7 2.8 8.4

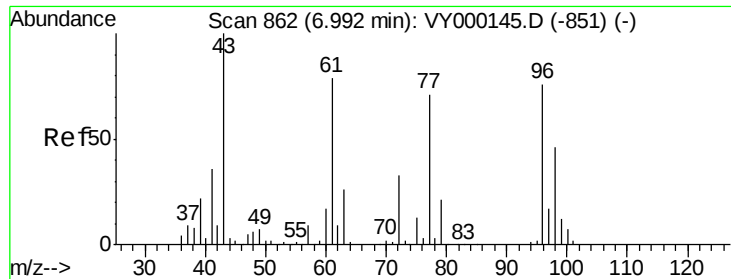


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 53.779 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 36345

Ion Ratio Lower Upper

43 100

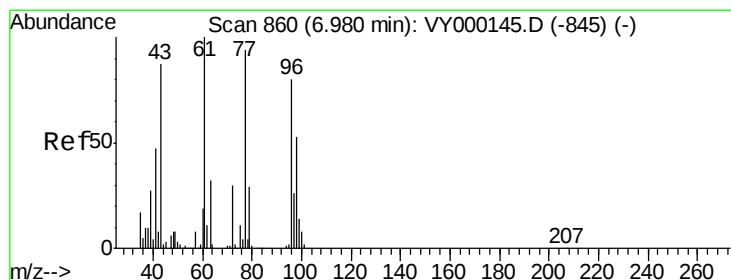
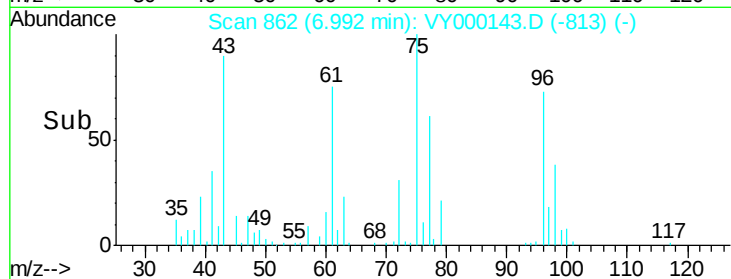
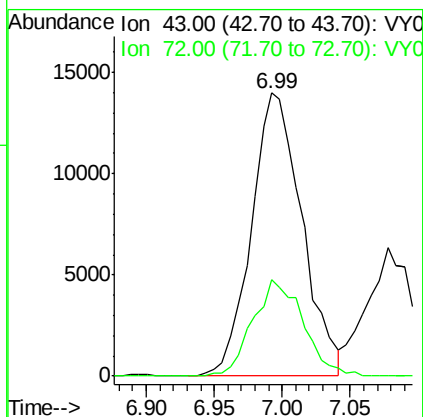
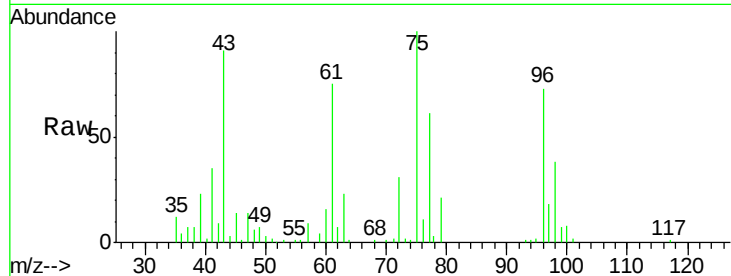
72 34.1 26.8 40.2

Manual Integrations

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10/2/2019 9:12:47 AM



#26

2,2-Dichloropropane

Concen: 10.814 ug/l

RT: 6.99 min Scan# 861

Delta R.T. 0.01 min

Lab File: VY000143.D

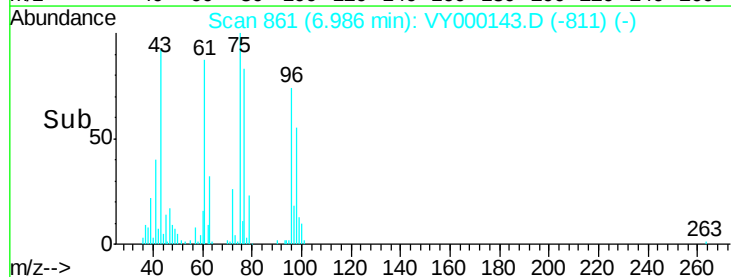
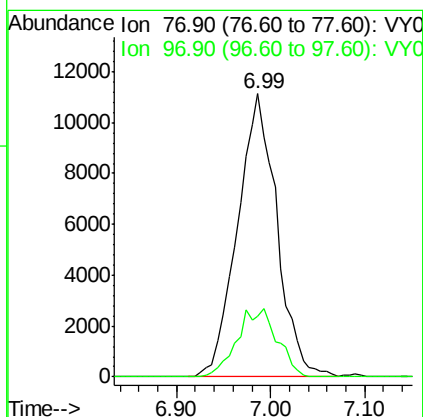
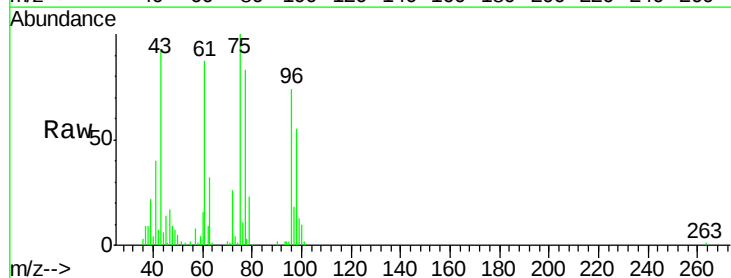
Acq: 26 Sep 2019 10:49

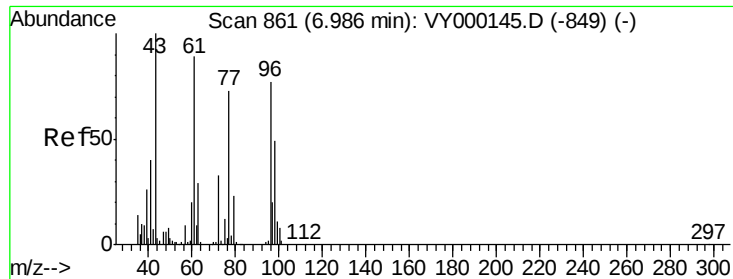
Tgt Ion: 77 Resp: 32357

Ion Ratio Lower Upper

77 100

97 24.5 13.0 38.9





#27

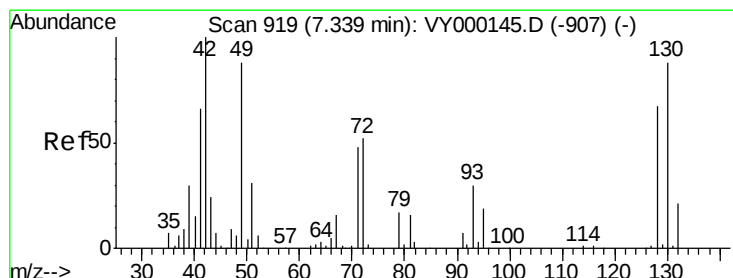
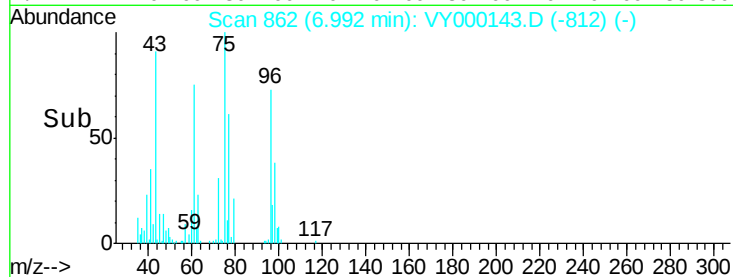
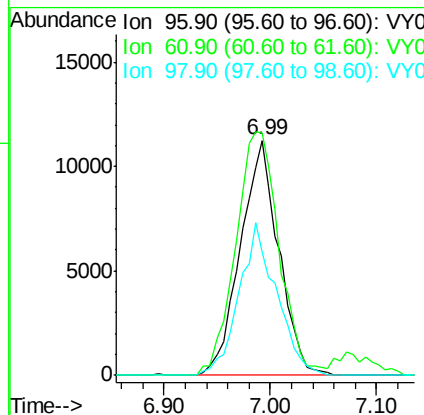
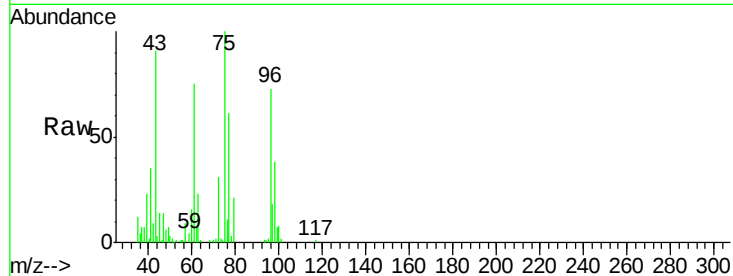
cis-1,2-Dichloroethene
Concen: 11.079 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.01 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	232.8
98	63.3	0.0	128.8

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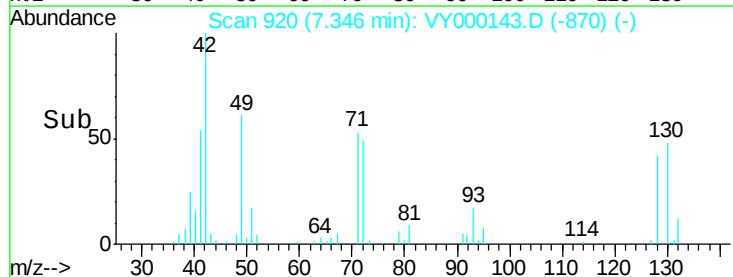
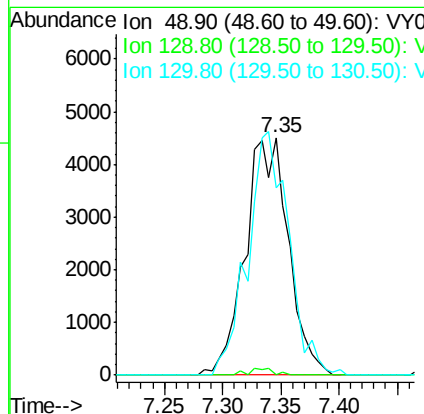
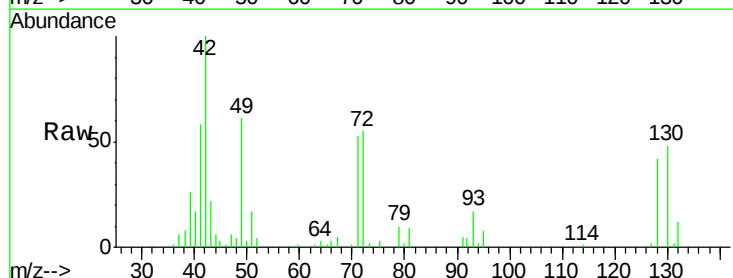
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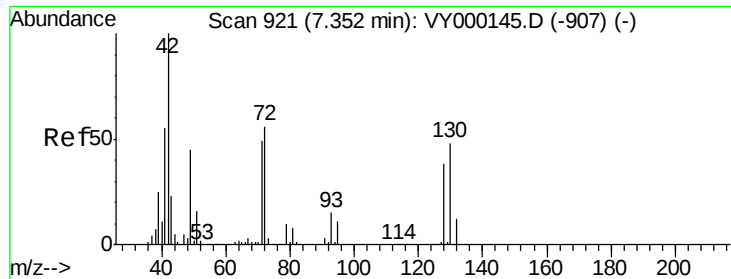


#28

Bromochloromethane
Concen: 9.302 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.6
130	97.1	79.5	119.3





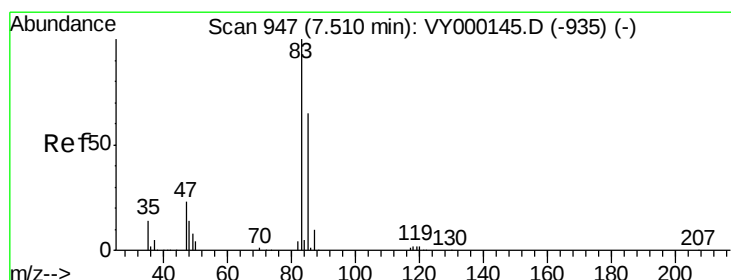
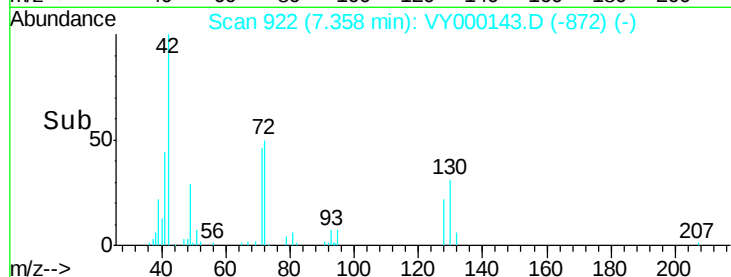
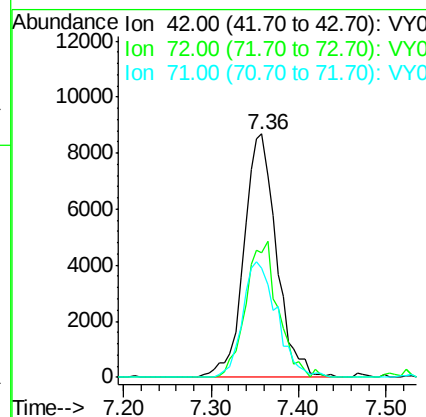
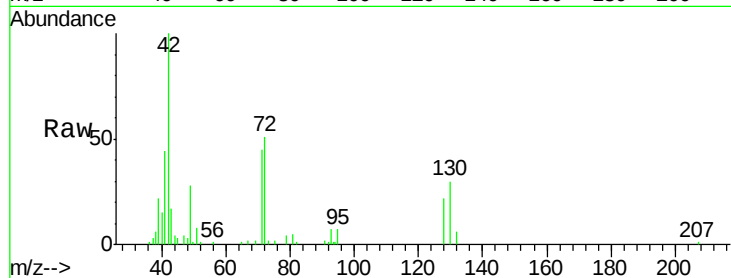
#29
Tetrahydrofuran
Concen: 53.847 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.9	43.1	64.7
71	50.1	39.4	59.2

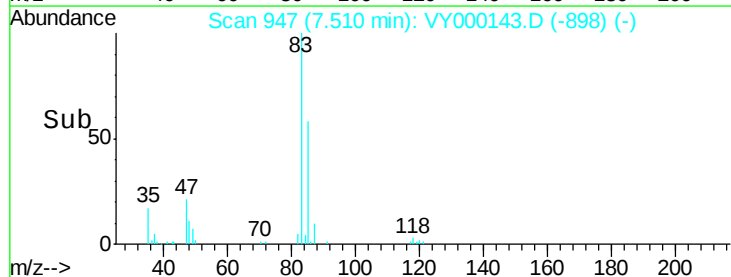
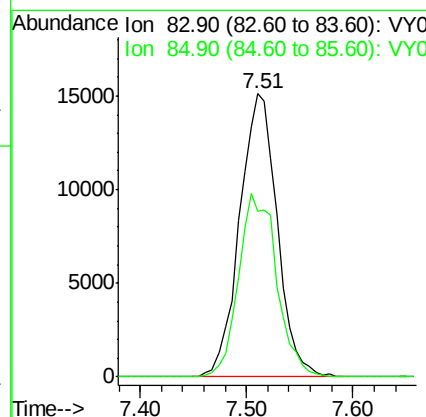
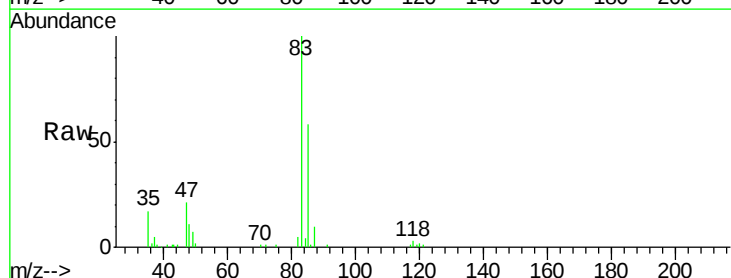
Manual Integrations
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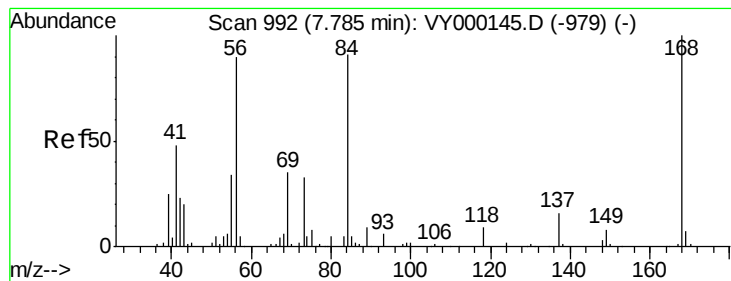
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#30
Chloroform
Concen: 10.855 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.4	52.4	78.6





#31

Cyclohexane

Concen: 11.229 ug/l

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

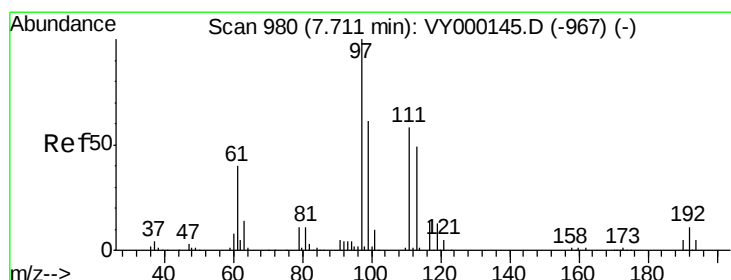
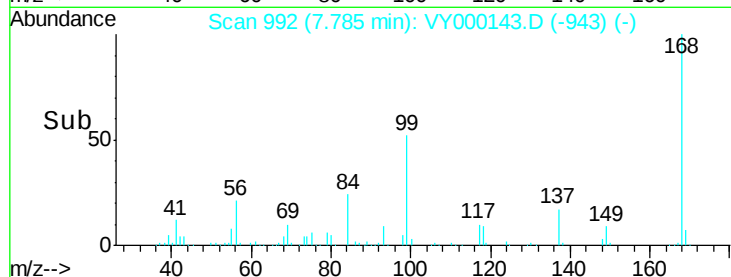
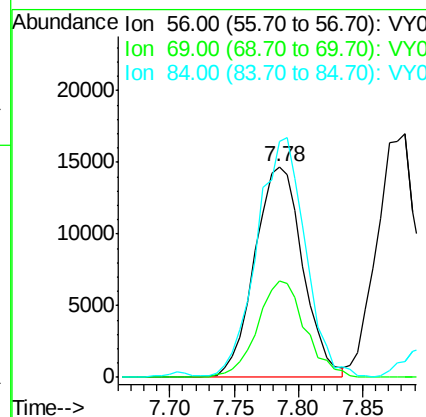
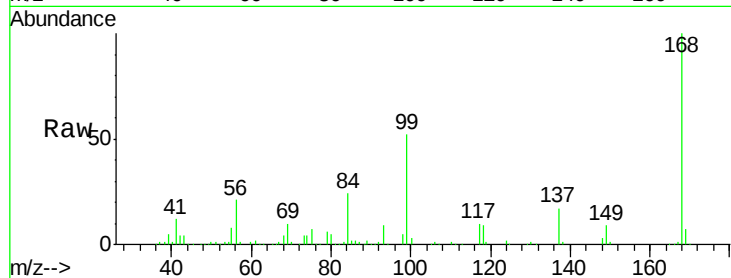
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	38200
Ion	Ratio	Lower	Upper
56	100		
69	45.5	31.1	46.7
84	111.6	80.5	120.7

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#32

1,1,1-Trichloroethane

Concen: 10.734 ug/l

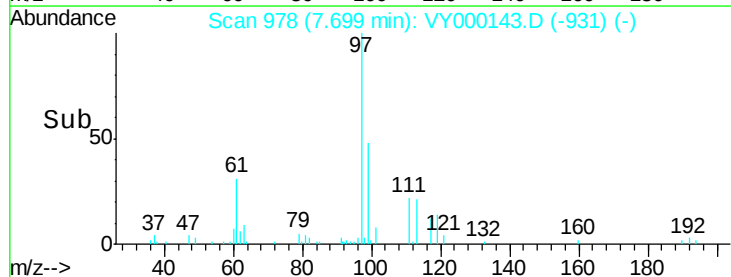
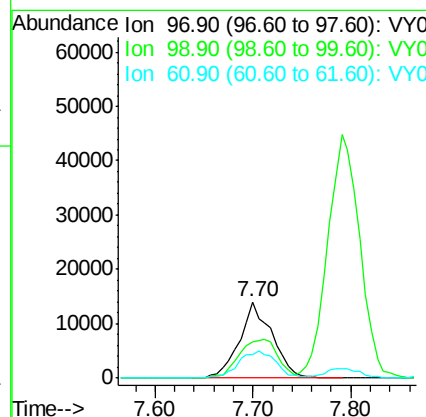
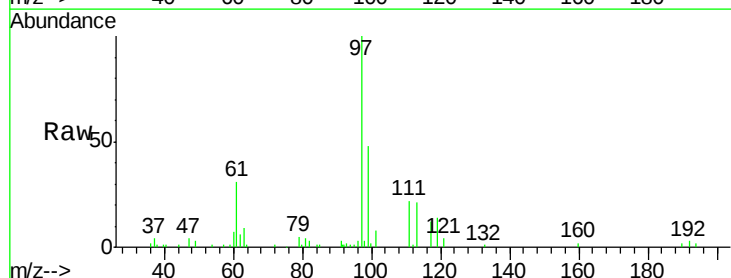
RT: 7.70 min Scan# 978

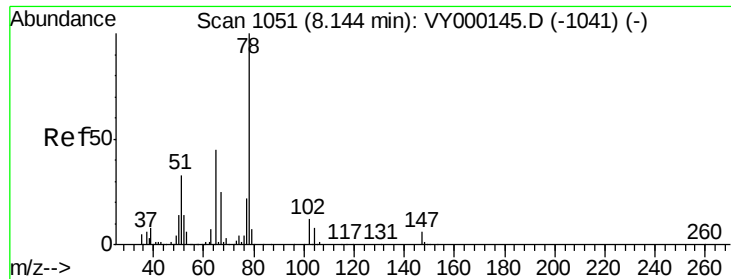
Delta R.T. -0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Tgt Ion:	97	Resp:	32415
Ion	Ratio	Lower	Upper
97	100		
99	60.5	50.5	75.7
61	40.7	32.9	49.3





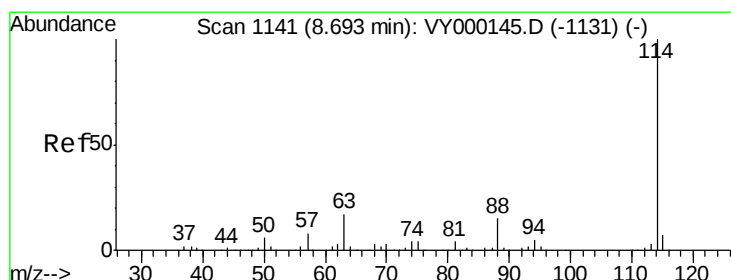
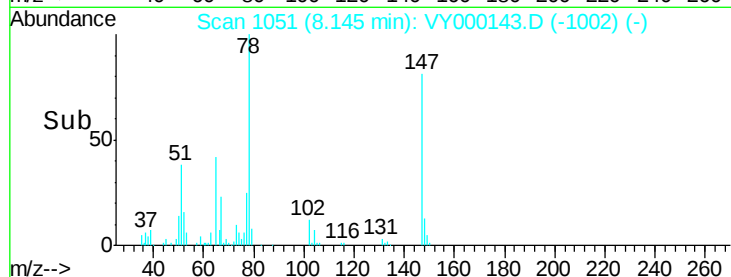
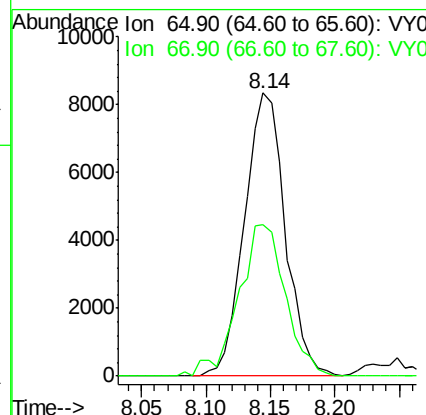
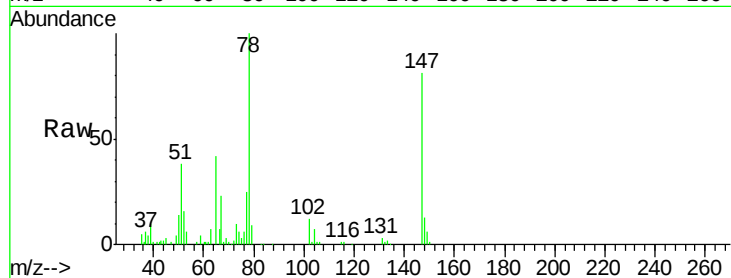
#33
 1,2-Dichloroethane-d4
 Concen: 10.376 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	61.6	0.0	110.6	

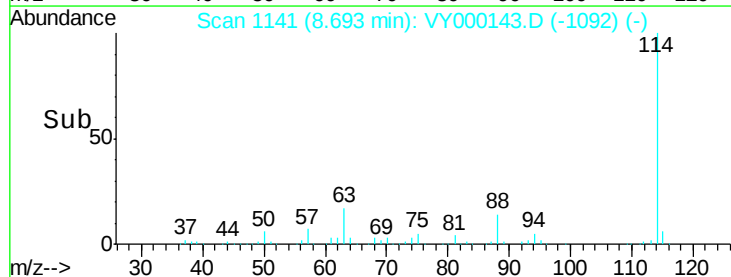
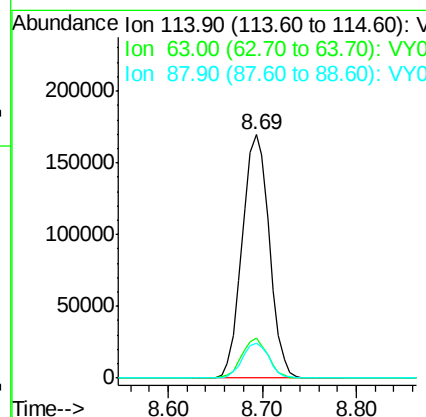
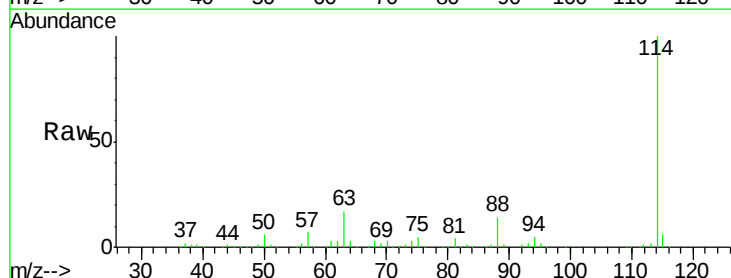
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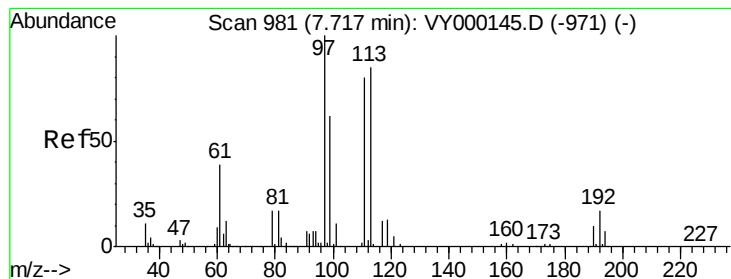
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.7	0.0	34.6	
88	14.3	0.0	30.6	





#35

Dibromofluoromethane

Concen: 10.823 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

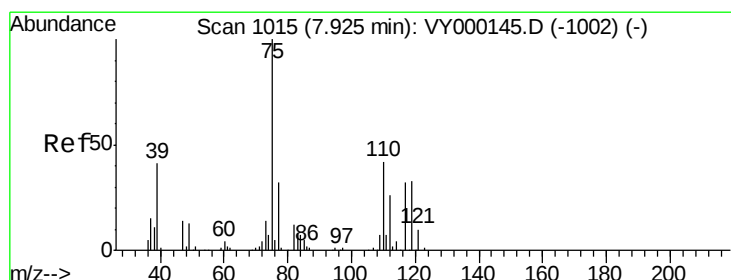
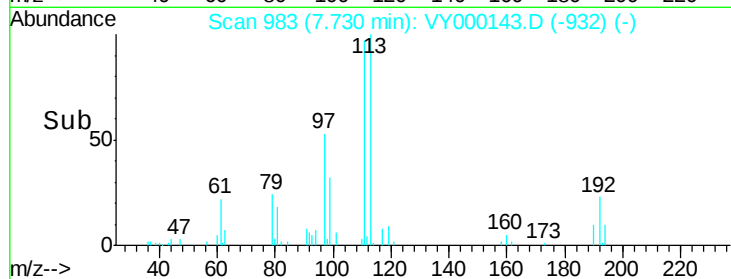
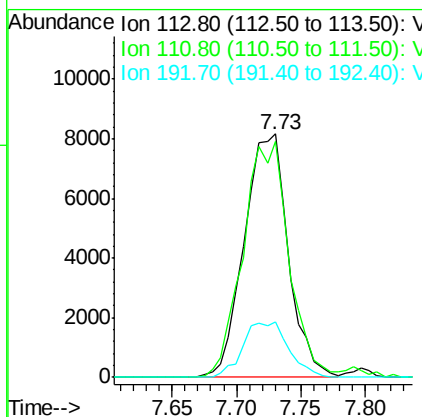
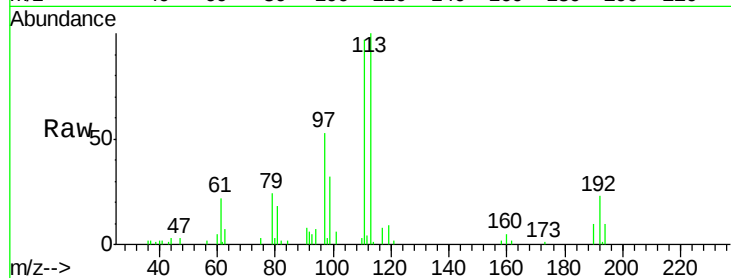
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	19349
Ion Ratio	Lower	Upper	
113	100		
111	100.8	82.0	123.0
192	23.5	17.3	25.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.119 ug/l

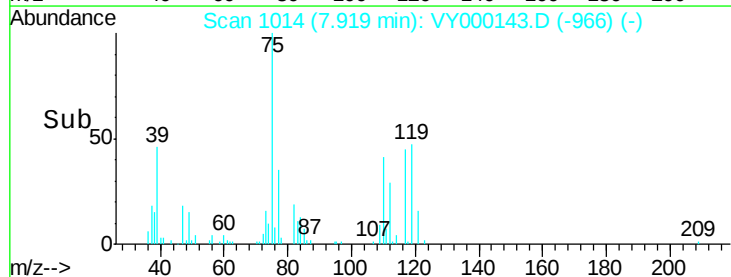
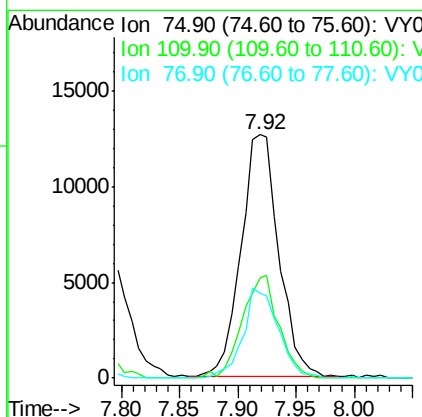
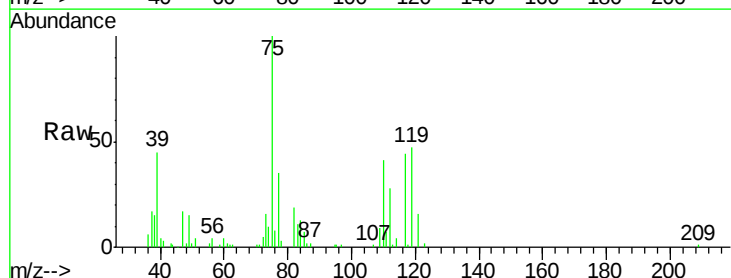
RT: 7.92 min Scan# 1014

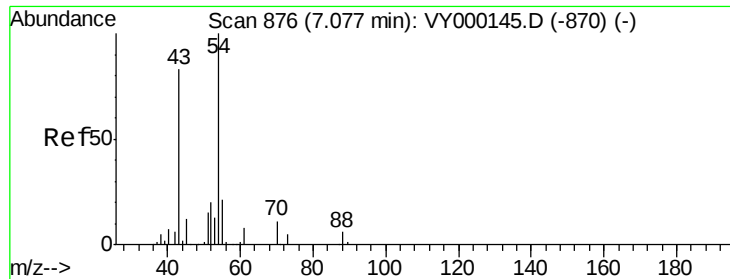
Delta R.T. -0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Tgt Ion:	75	Resp:	28705
Ion Ratio	Lower	Upper	
75	100		
110	40.9	21.1	63.1
77	34.7	24.6	36.8





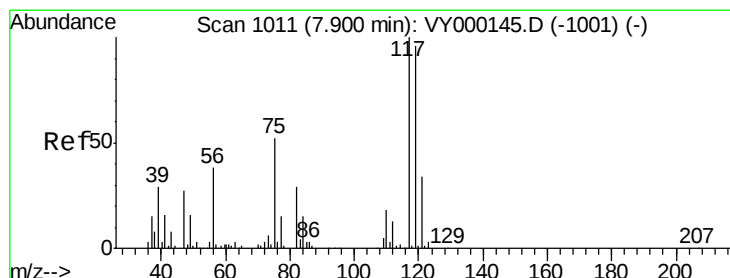
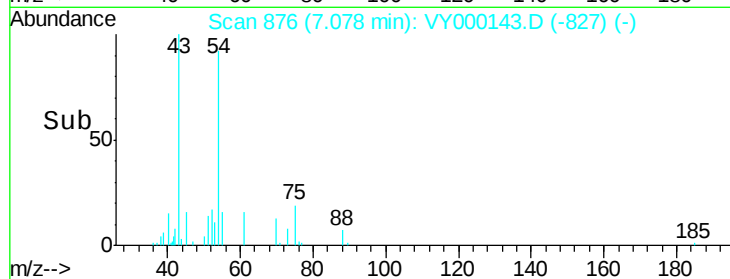
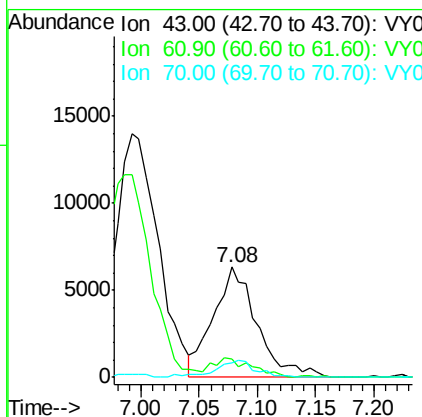
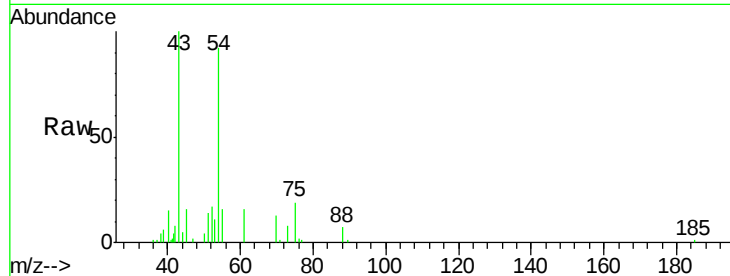
#37
Ethyl Acetate
Concen: 11.021 ug/l
RT: 7.08 min Scan# 876
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.9	17.9
70	14.3	10.2	15.2

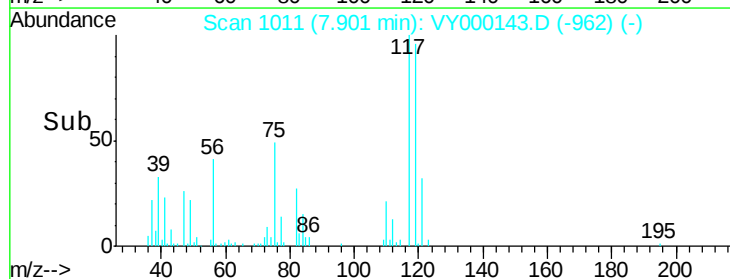
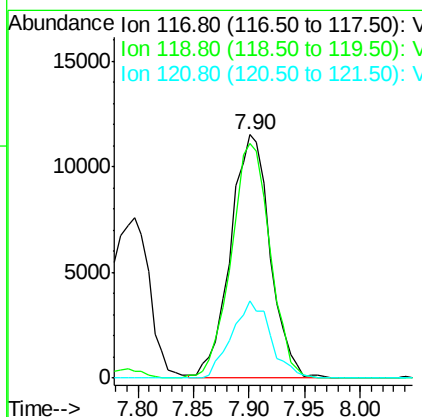
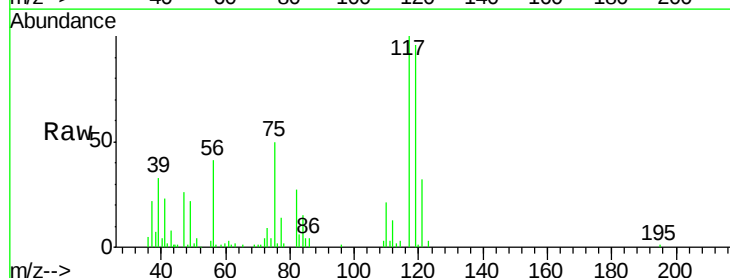
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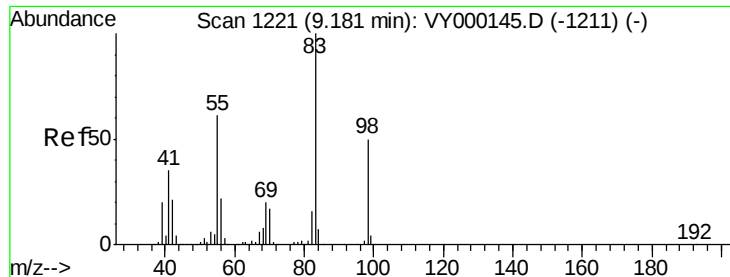
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#38
Carbon Tetrachloride
Concen: 10.257 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.9	115.3
121	31.7	27.4	41.0





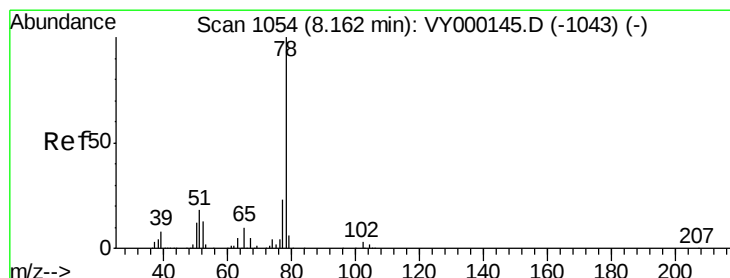
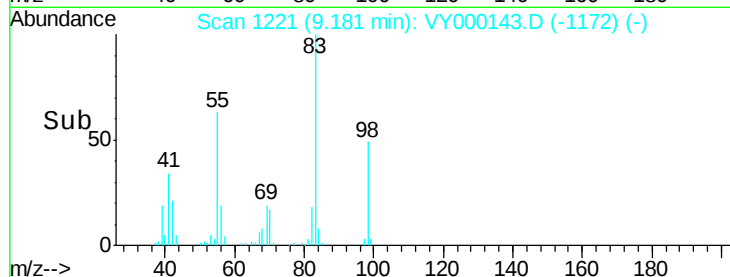
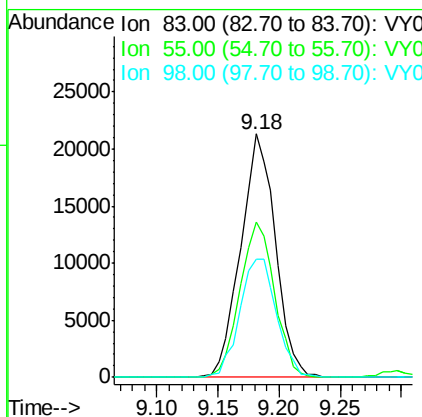
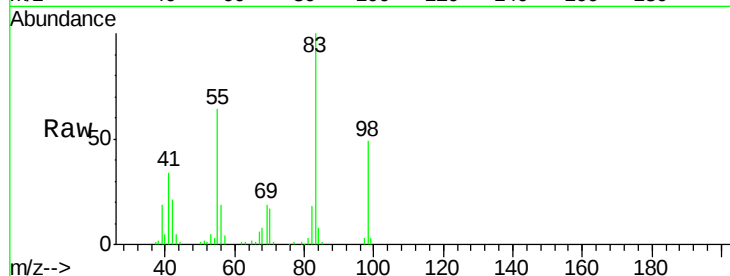
#39
Methvlcvclohexane
Concen: 10.454 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.8	49.1	73.7
98	48.7	40.0	60.0

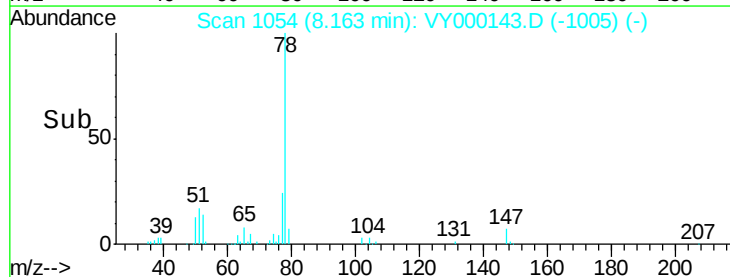
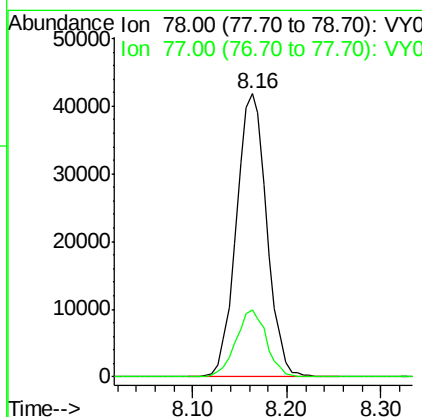
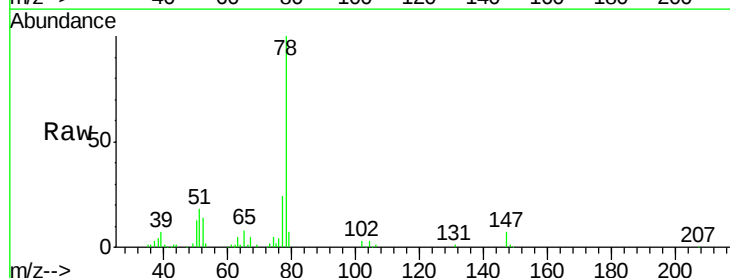
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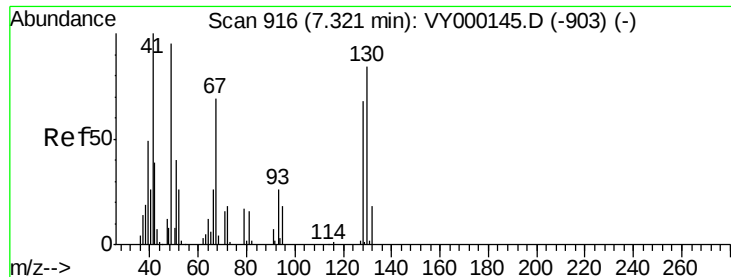
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#40
Benzene
Concen: 10.491 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.4





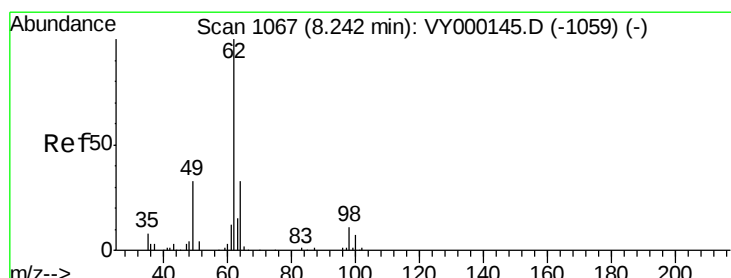
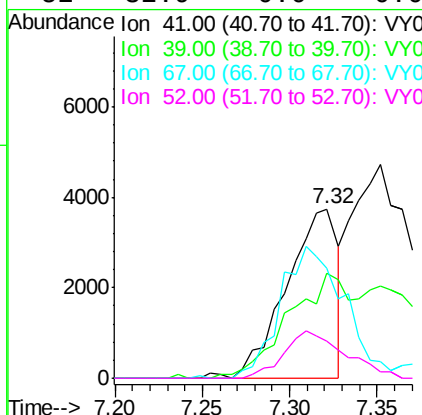
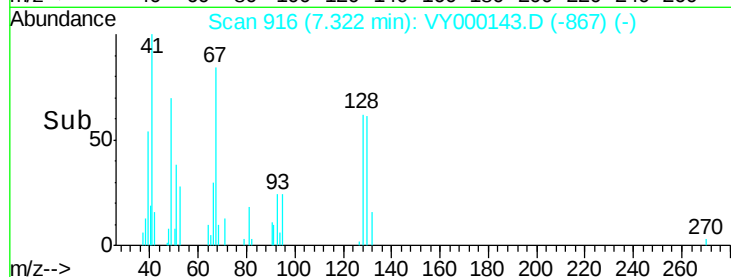
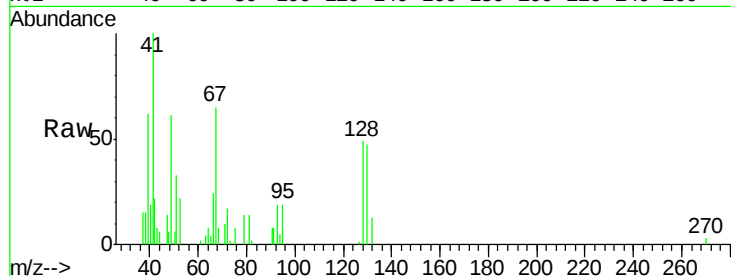
#41
Methacrylonitrile
Concen: 9.492 ug/l
RT: 7.32 min Scan# 916
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	7713
Ion	Ratio	Lower	Upper
41	100		
39	78.1	0.0	0.0#
67	99.6	0.0	0.0#
52	32.9	0.0	0.0#

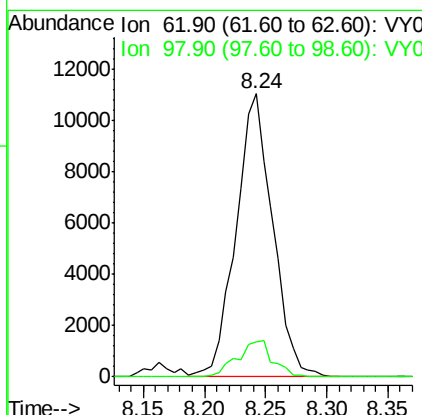
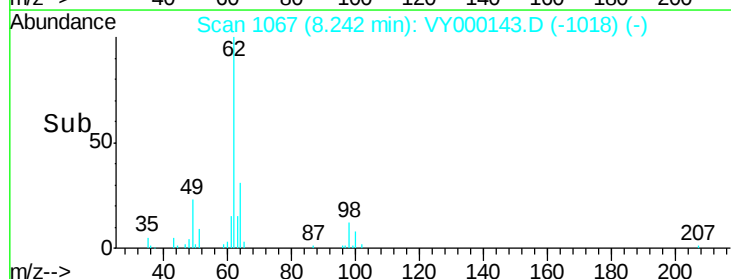
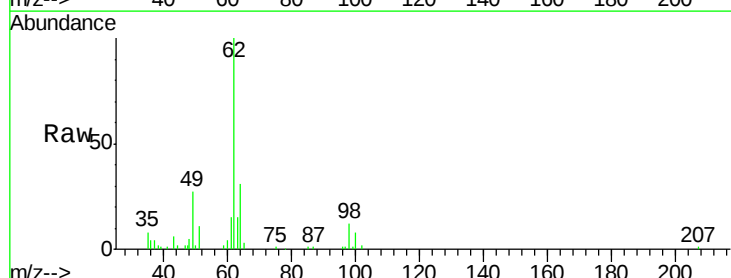
Manual Integrations
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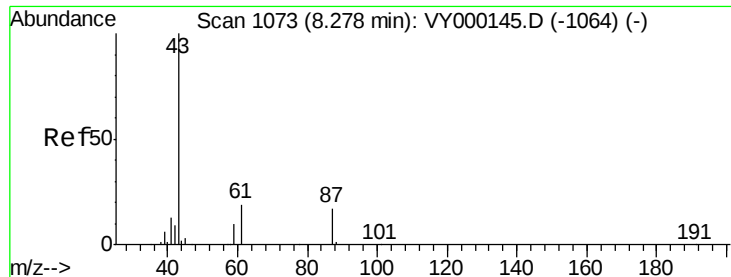
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#42
1,2-Dichloroethane
Concen: 10.515 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion:	62	Resp:	22926
Ion	Ratio	Lower	Upper
62	100		
98	12.5	0.0	24.8





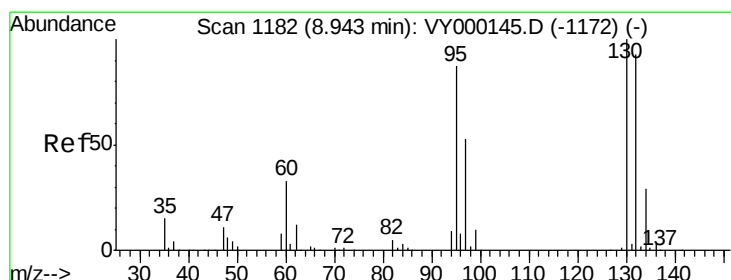
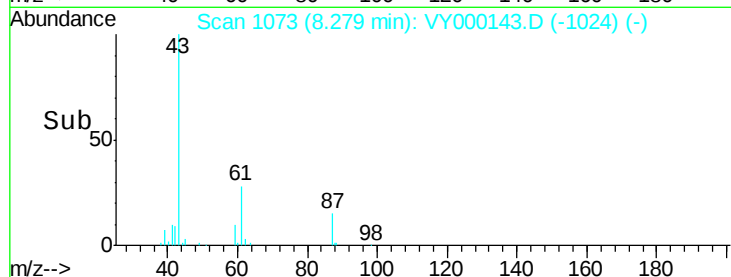
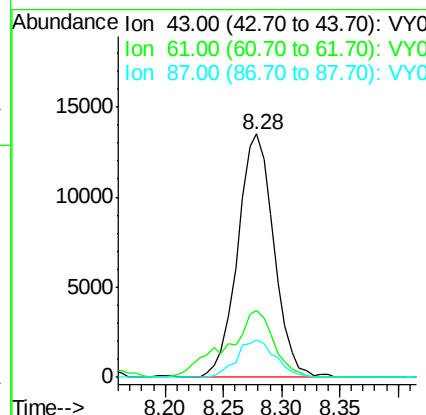
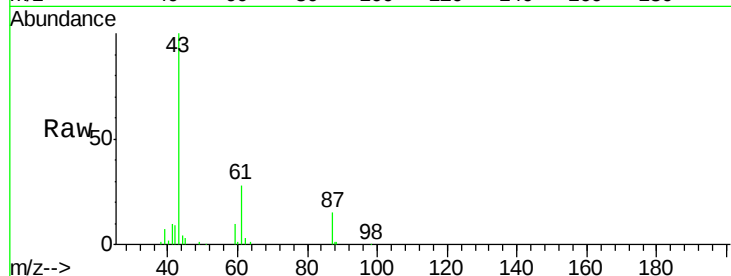
#43
Isopropyl Acetate
Concen: 10.557 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.0	25.6	38.4
87	16.2	13.5	20.3

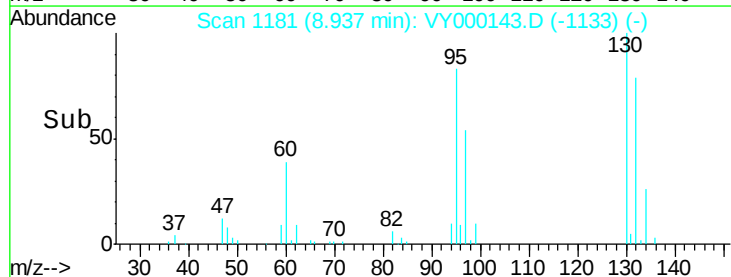
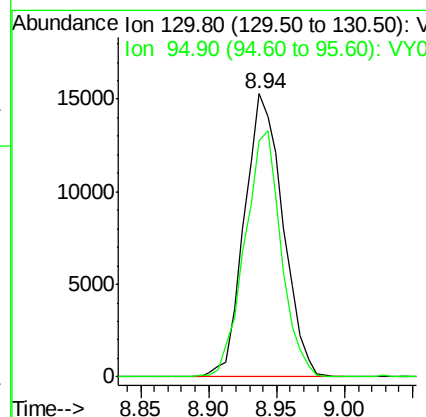
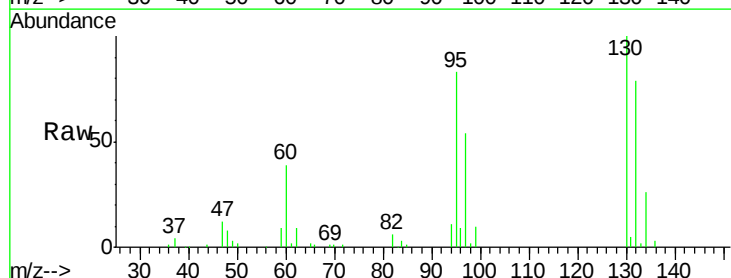
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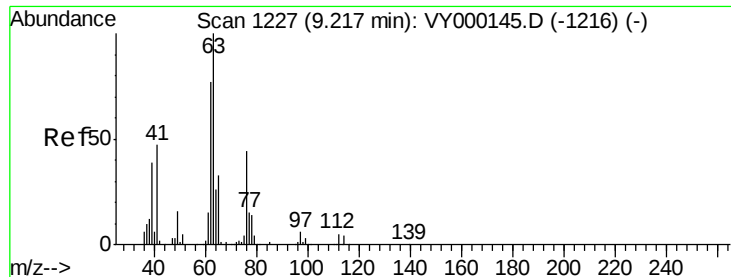
MMDadoda
10/2/2019 9:12:47 AM



#44
Trichloroethene
Concen: 10.564 ug/l
RT: 8.94 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.2	0.0	174.8





#45

1,2-Dichloropropane

Concen: 10.175 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 20115

Ion Ratio Lower Upper

63 100

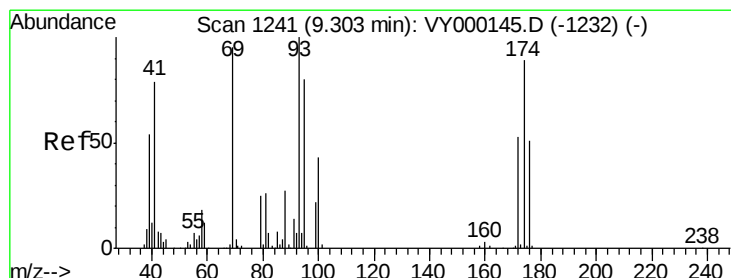
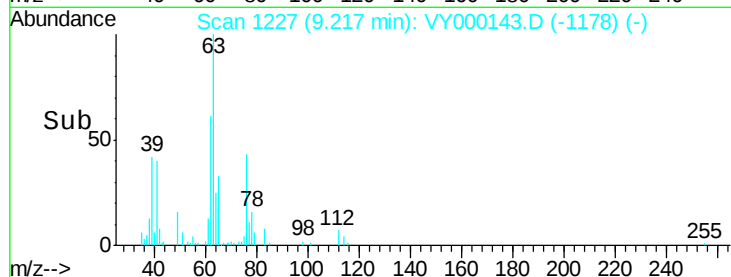
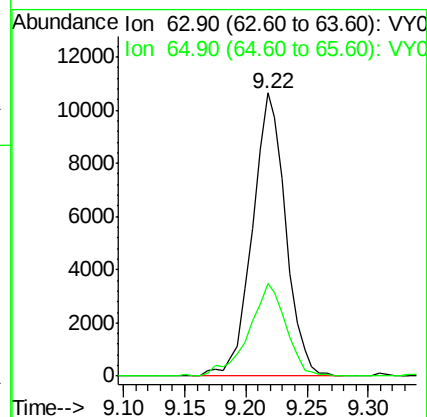
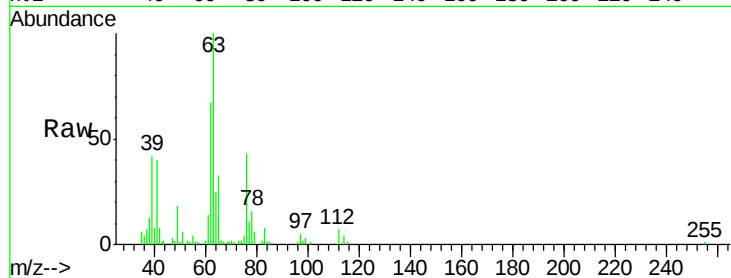
65 32.7 26.8 40.2

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#46

Dibromomethane

Concen: 10.643 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

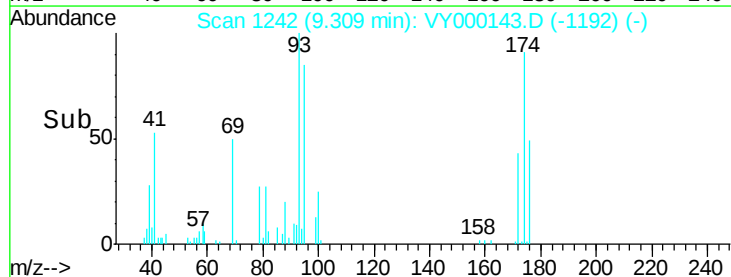
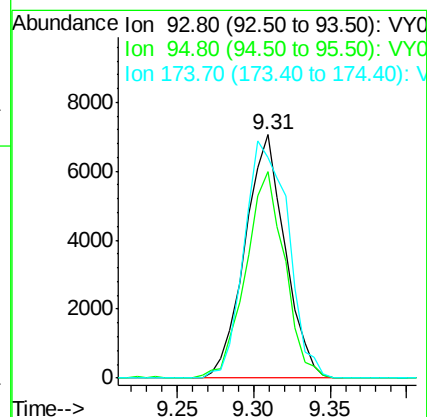
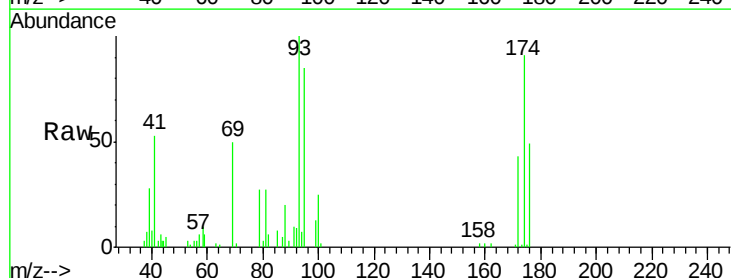
Tgt Ion: 93 Resp: 12840

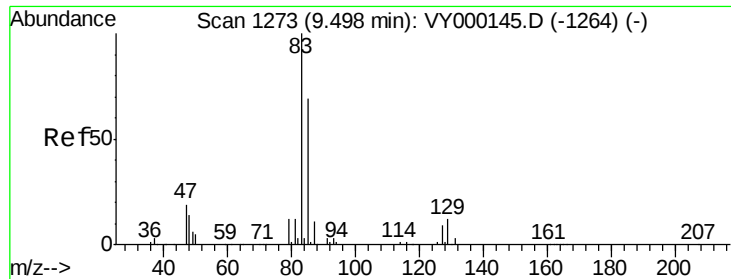
Ion Ratio Lower Upper

93 100

95 82.4 66.3 99.5

174 107.3 87.3 130.9





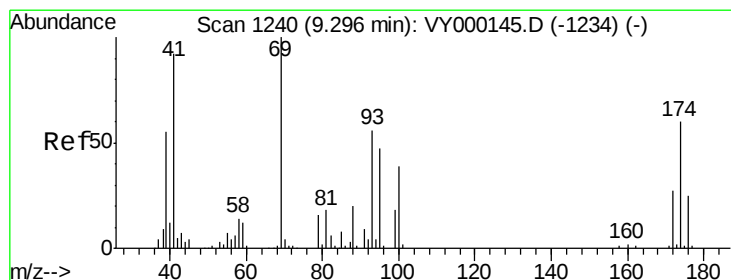
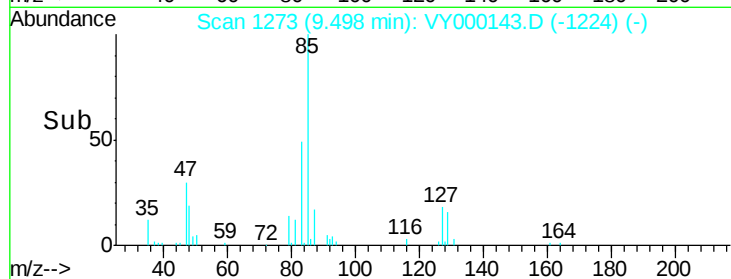
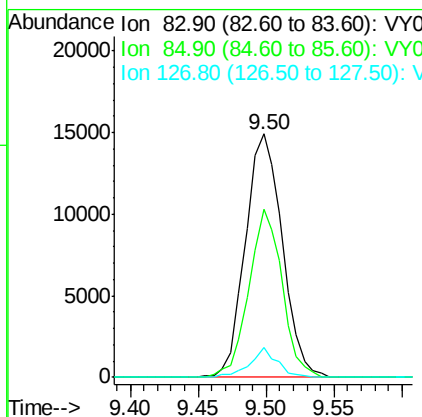
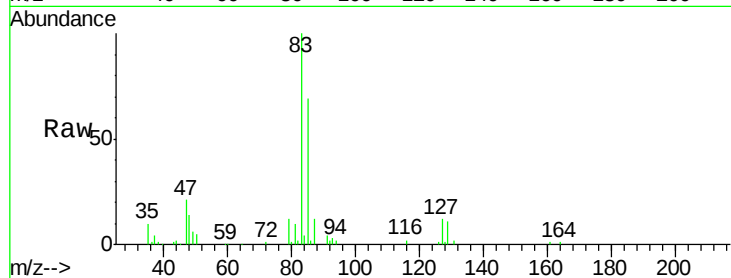
#47
Bromodichloromethane
Concen: 10.439 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	69.2	55.1	82.7	
127	12.3	6.9	10.3	

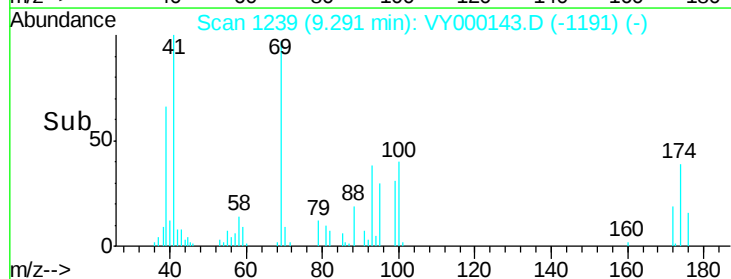
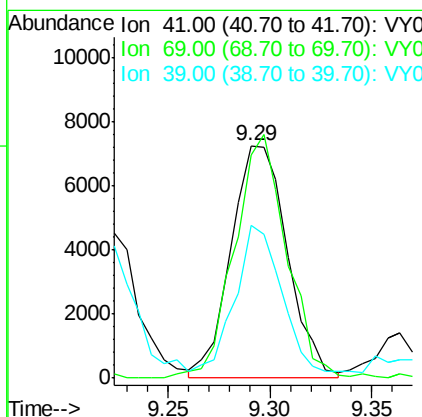
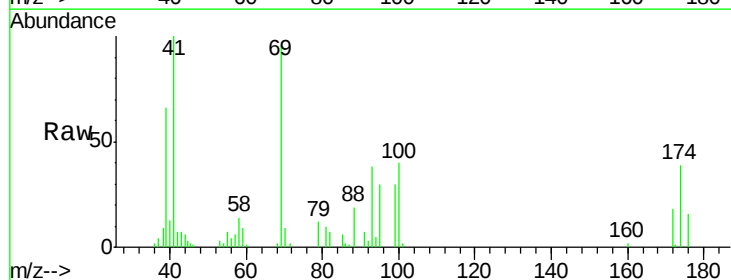
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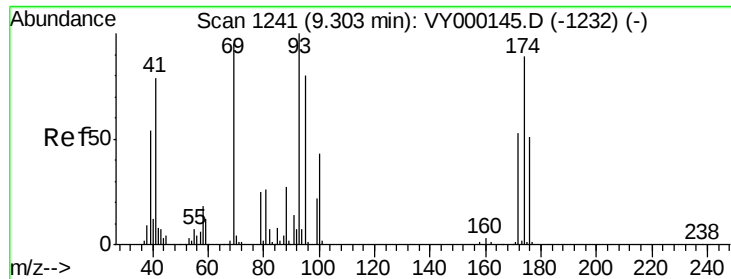
MMDadoda
10/2/2019 9:12:47 AM



#48
Methyl methacrylate
Concen: 11.268 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	97.3	86.5	129.7	
39	57.4	51.0	76.6	





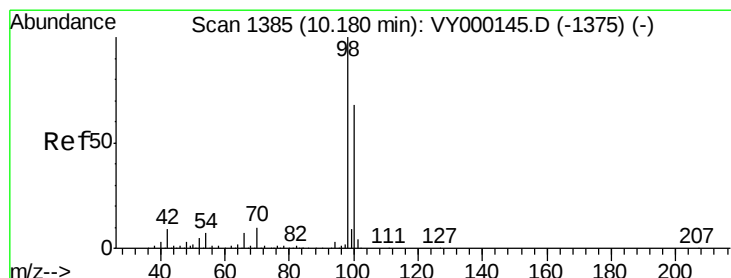
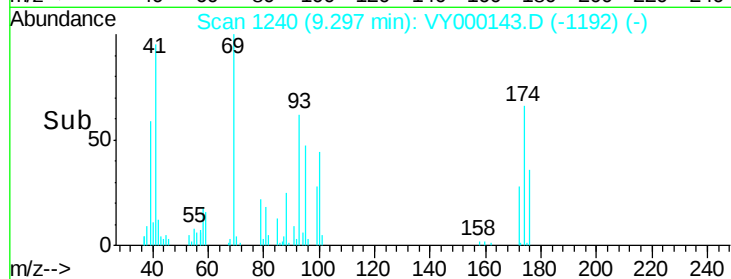
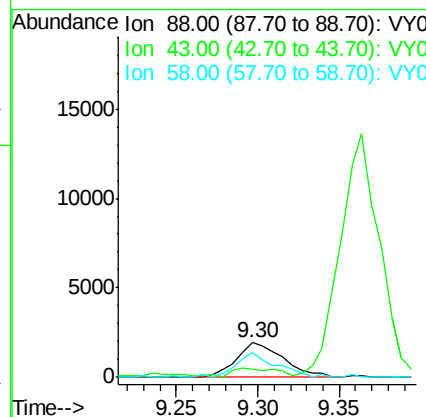
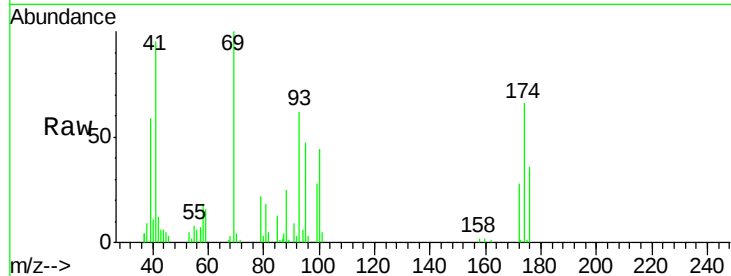
#49
 1,4-Dioxane
 Concen: 208.650 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.2	24.4	36.6#
58	61.5	49.2	73.8

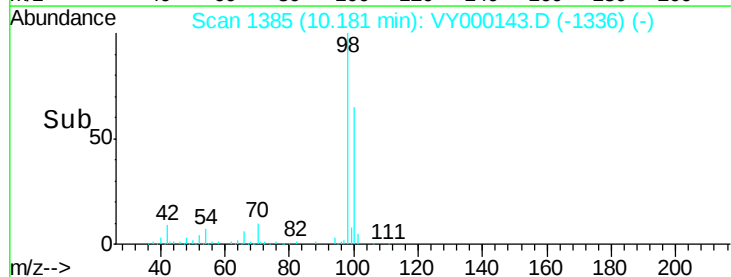
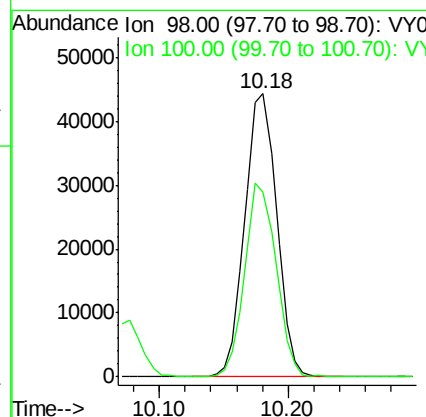
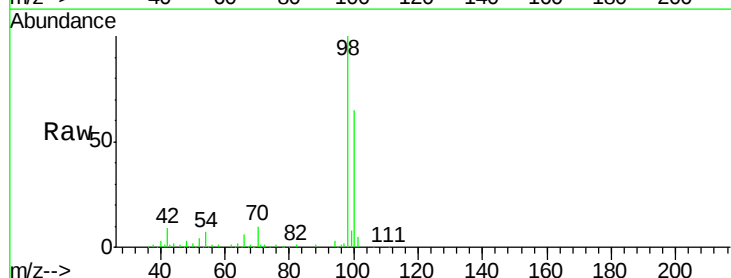
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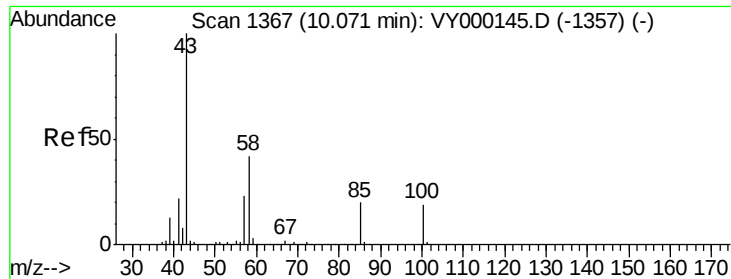
MMDadoda
 10/2/2019 9:12:47 AM



#50
 Toluene-d8
 Concen: 10.055 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	54.2	81.2





#51

4-Methyl-2-Pentanone

Concen: 54.329 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 78061

Ion Ratio Lower Upper

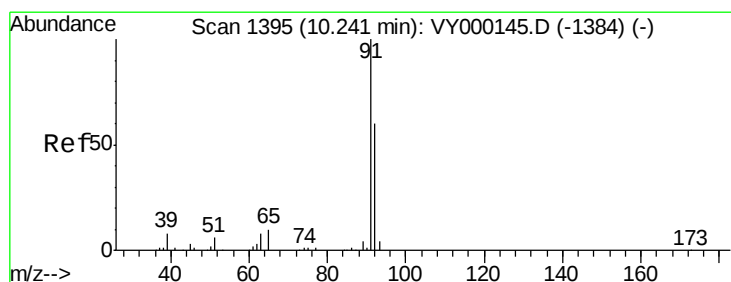
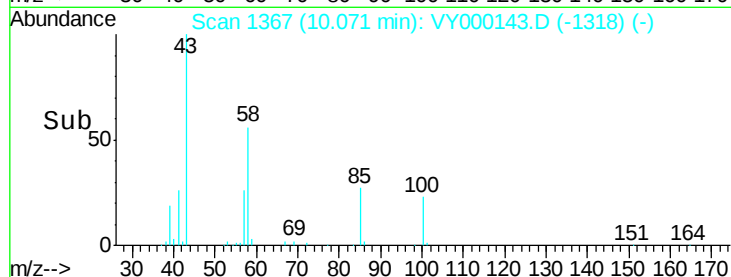
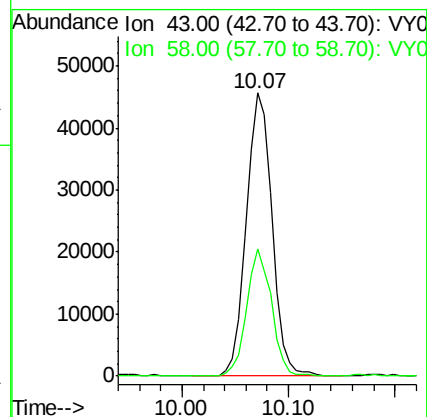
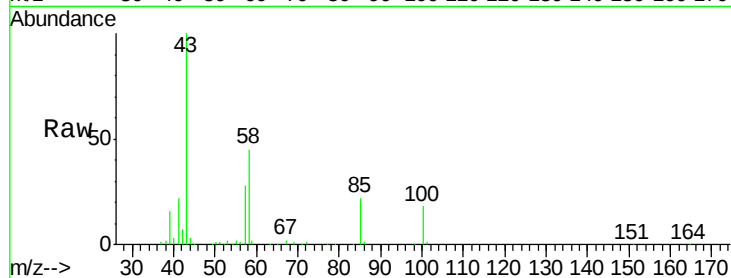
43 100

58 43.1 33.6 50.4

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MMDadoda

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#52

Toluene

Concen: 10.139 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY000143.D

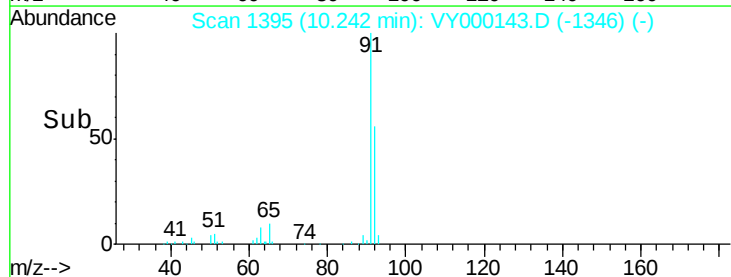
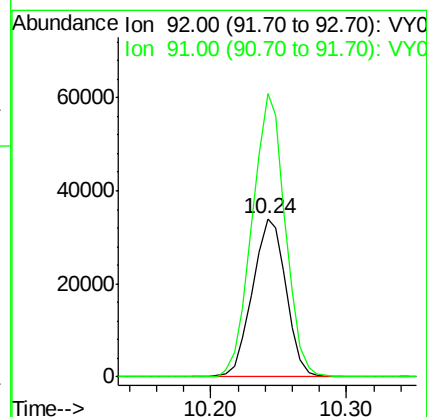
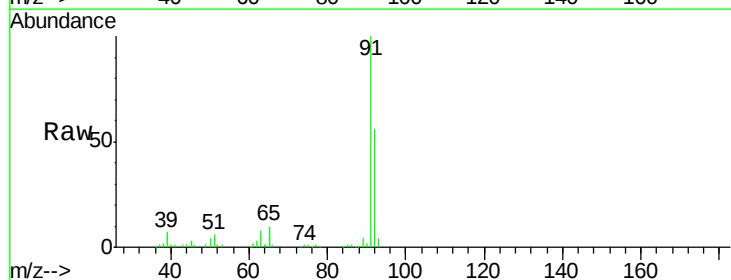
Acq: 26 Sep 2019 10:49

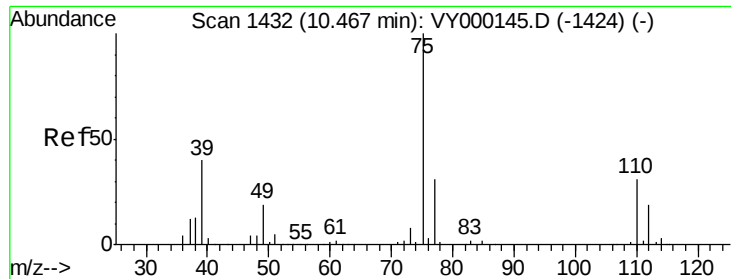
Tgt Ion: 92 Resp: 58843

Ion Ratio Lower Upper

92 100

91 176.2 134.6 201.8





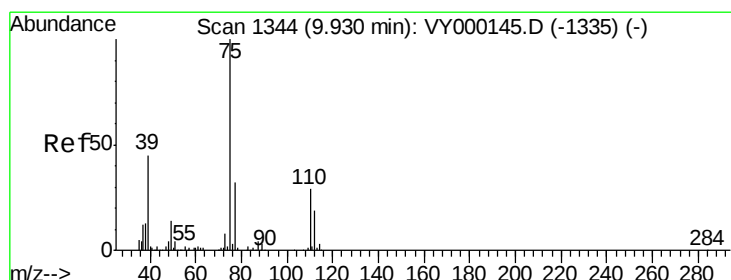
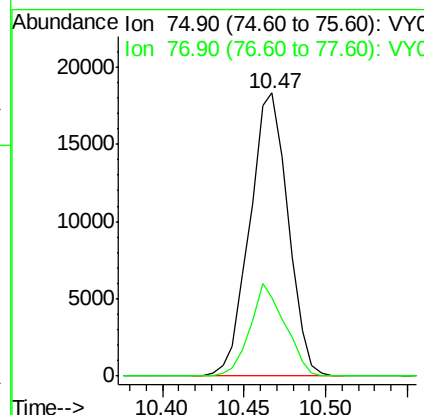
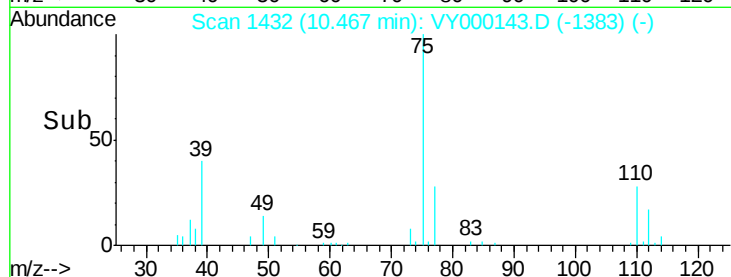
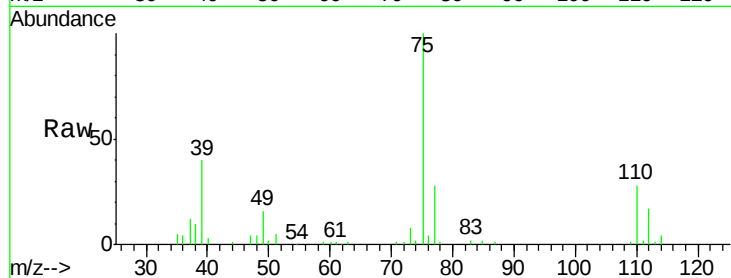
#53
t-1,3-Dichloropropene
Concen: 10.507 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 30013
Ion Ratio Lower Upper
75 100
77 27.7 25.0 37.4

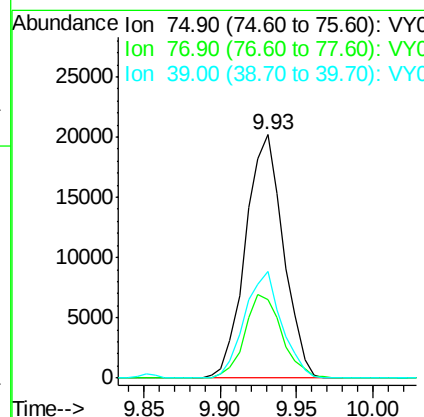
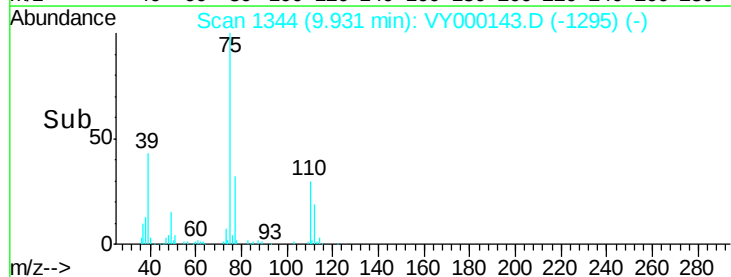
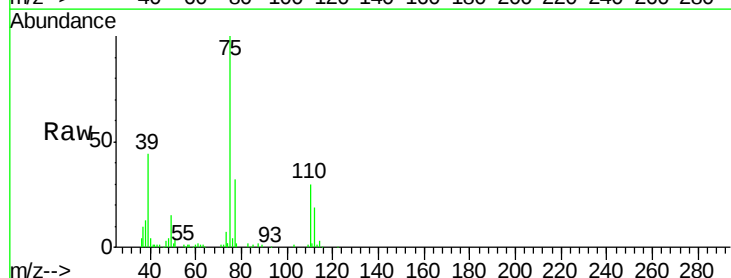
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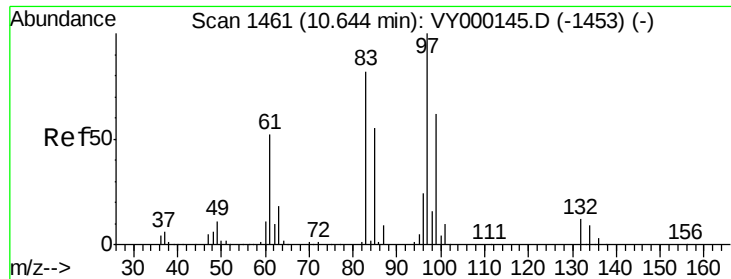
MMDadoda
10/2/2019 9:12:47 AM



#54
cis-1,3-Dichloropropene
Concen: 10.261 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion: 75 Resp: 34734
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0
39 43.7 35.8 53.6





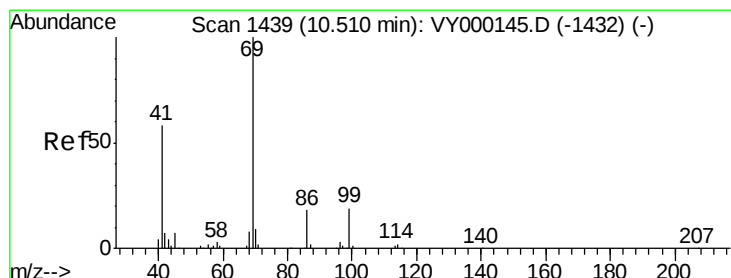
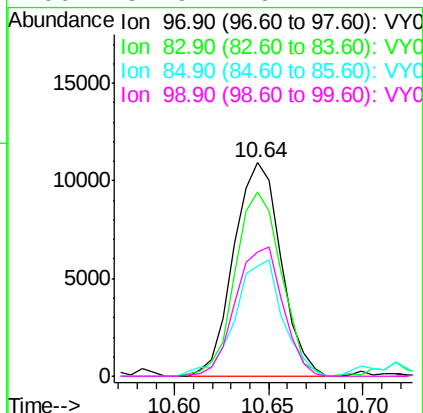
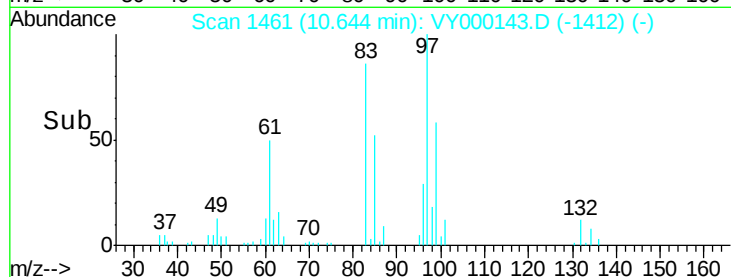
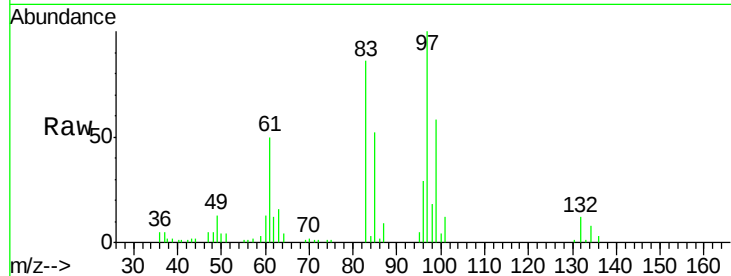
#55
 1,1,2-Trichloroethane
 Concen: 10.574 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	18969
Ion	Ratio	Lower	Upper
97	100		
83	85.6	65.7	98.5
85	51.6	44.1	66.1
99	57.9	49.4	74.2

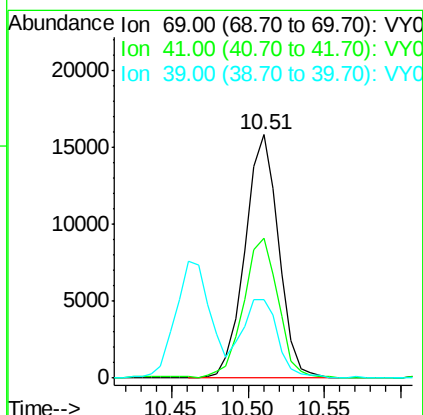
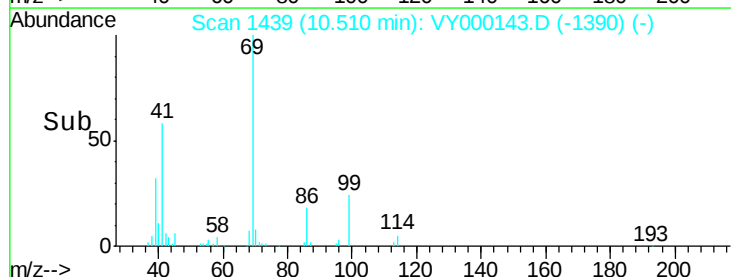
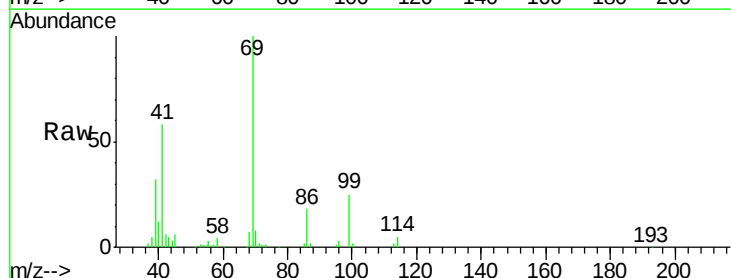
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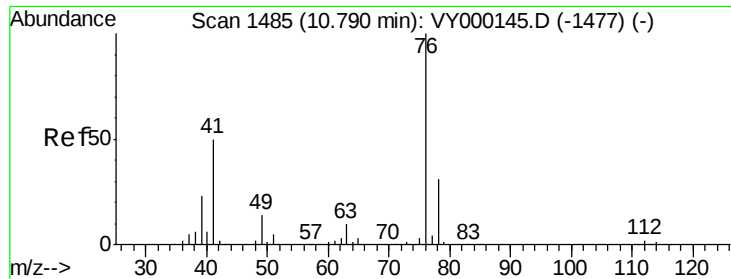
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#56
 Ethyl methacrylate
 Concen: 10.389 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Tgt Ion:	69	Resp:	24241
Ion	Ratio	Lower	Upper
69	100		
41	59.6	45.8	68.8
39	34.8	27.8	41.8





#57

1,3-Dichloropropane

Concen: 10.442 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 30100

Ion Ratio Lower Upper

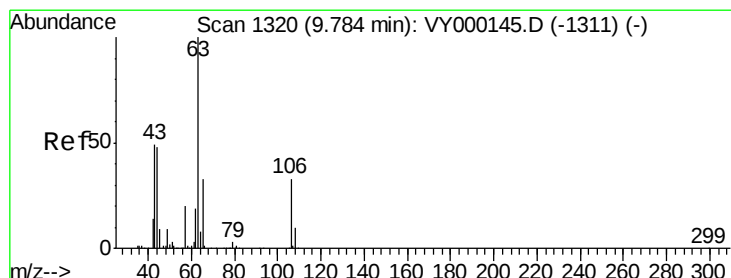
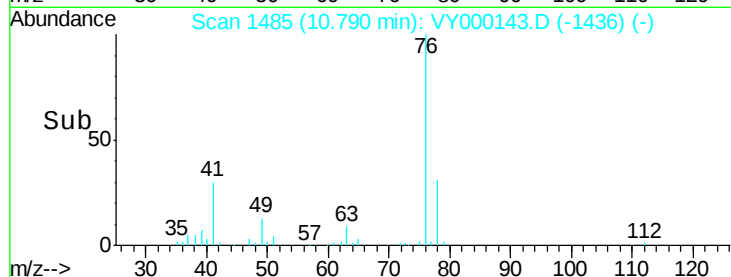
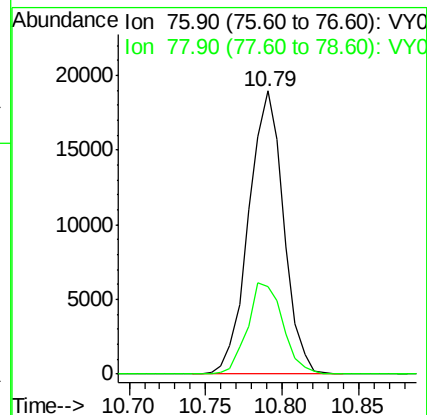
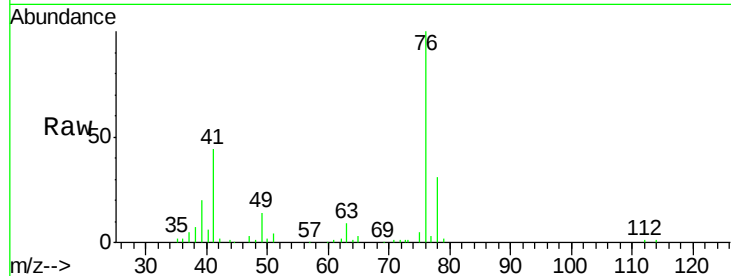
76 100

78 32.8 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 46.239 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY000143.D

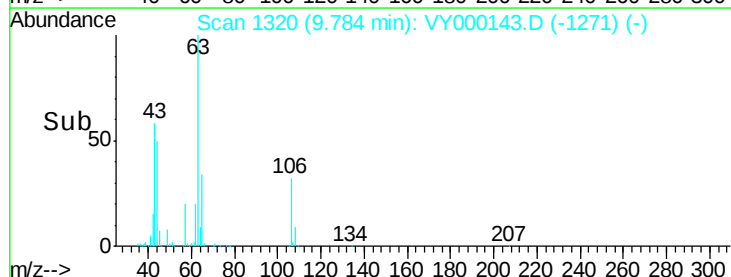
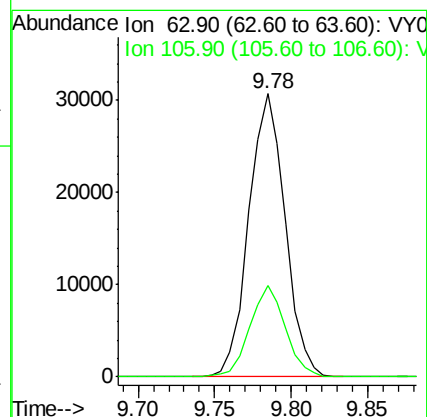
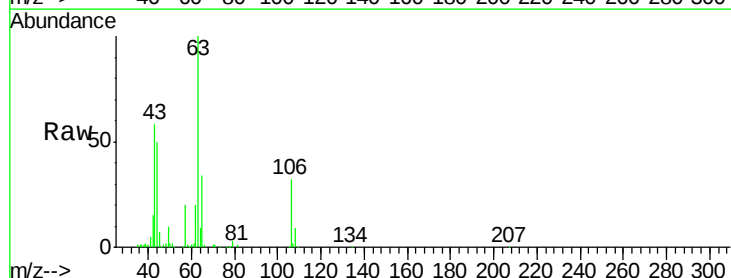
Acq: 26 Sep 2019 10:49

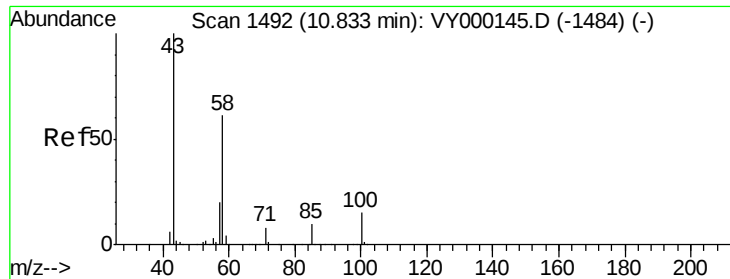
Tgt Ion: 63 Resp: 50678

Ion Ratio Lower Upper

63 100

106 31.5 27.0 40.6





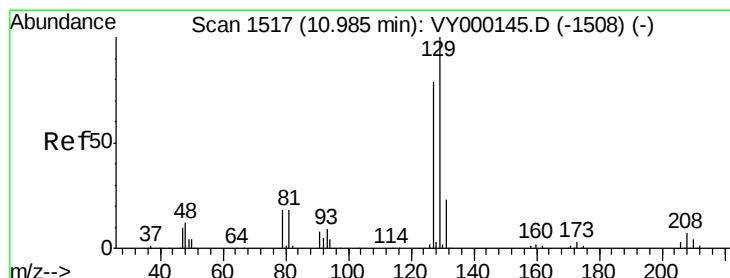
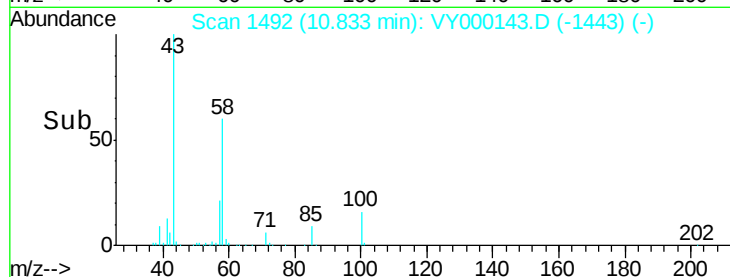
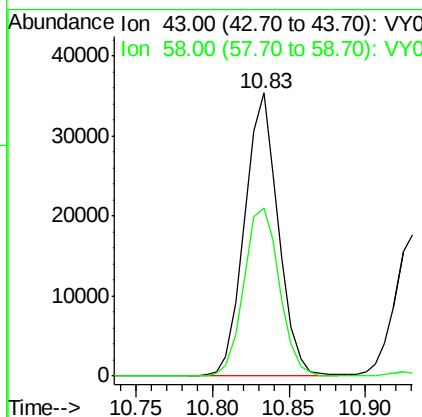
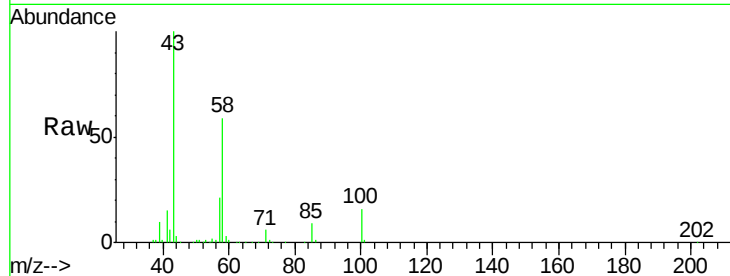
#59
2-Hexanone
Concen: 52.887 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 54008
Ion Ratio Lower Upper
43 100
58 62.7 29.5 88.5

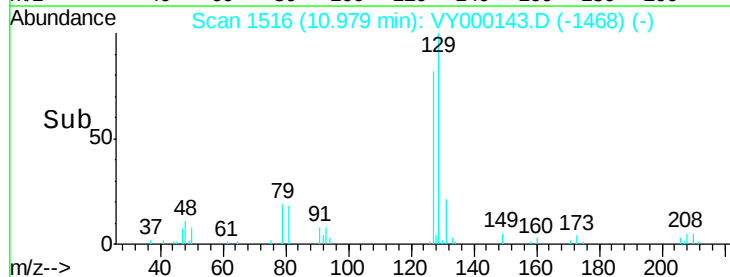
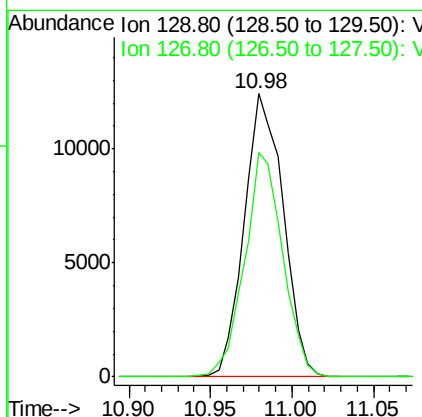
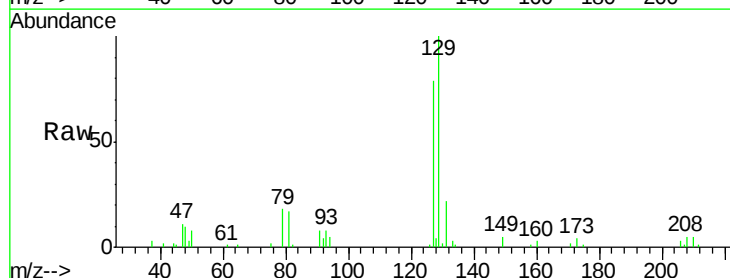
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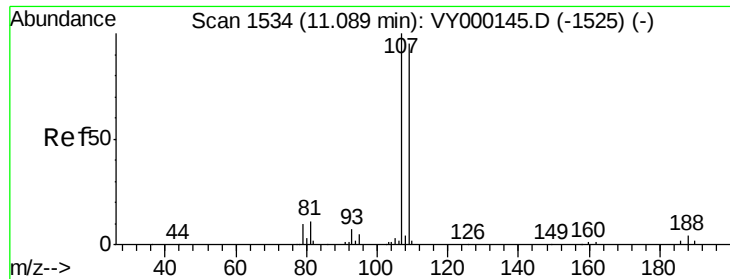
MMDadoda
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#60
Dibromochloromethane
Concen: 10.180 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion: 129 Resp: 20644
Ion Ratio Lower Upper
129 100
127 77.9 39.4 118.1





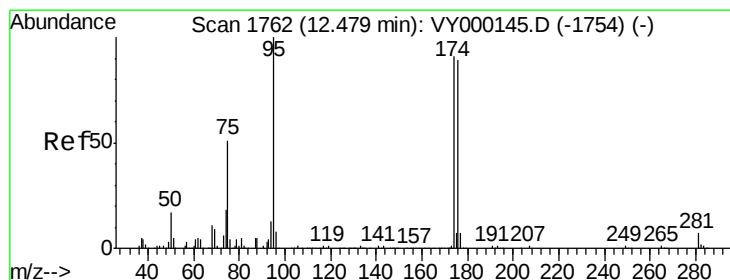
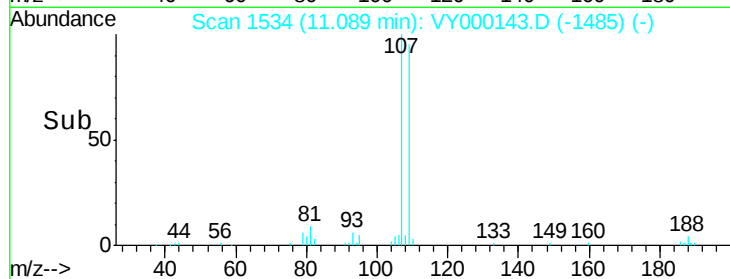
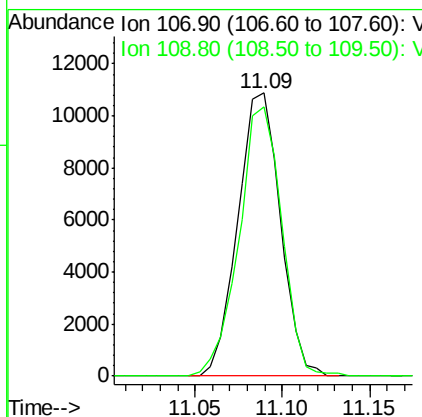
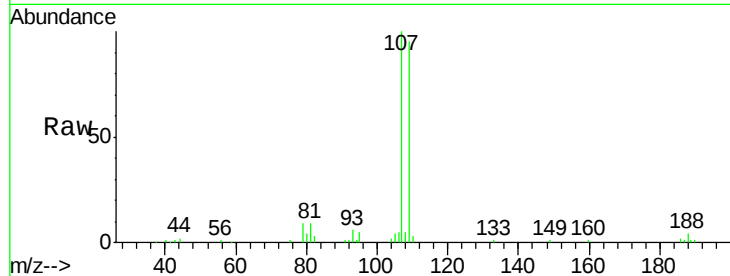
#61
 1,2-Dibromoethane
 Concen: 10.758 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.8	113.8

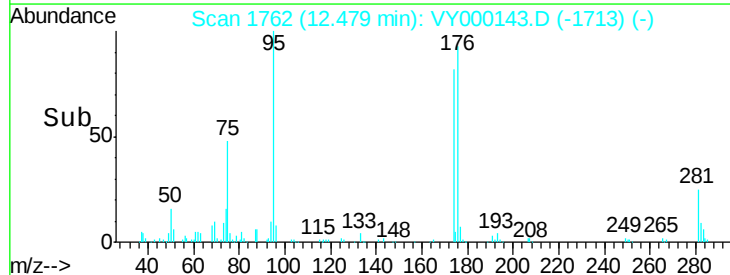
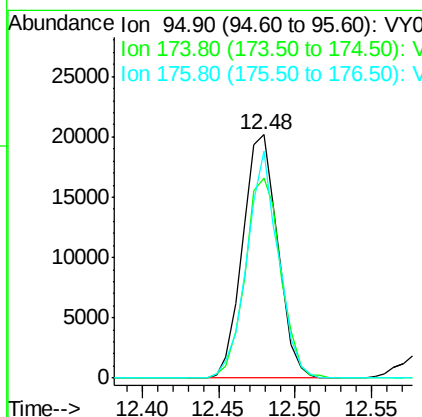
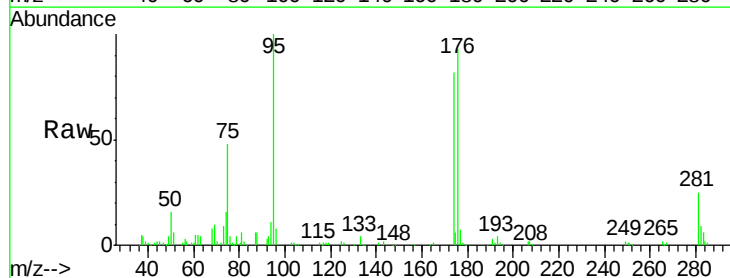
Manual Integrations
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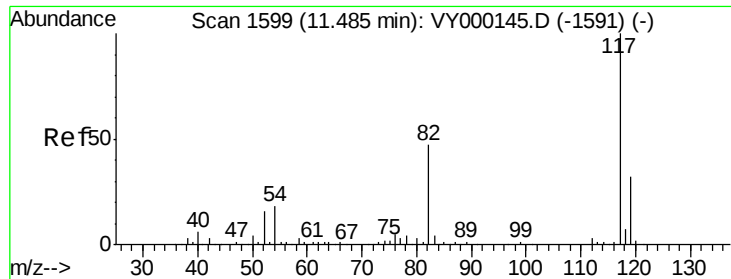
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 11.616 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	180.6
176	84.2	0.0	171.6





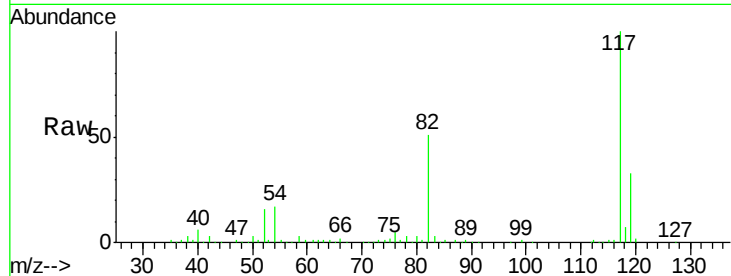
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	37.7	56.5
119	32.8	25.4	38.2

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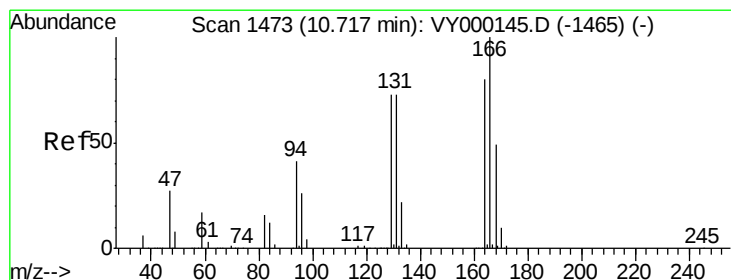
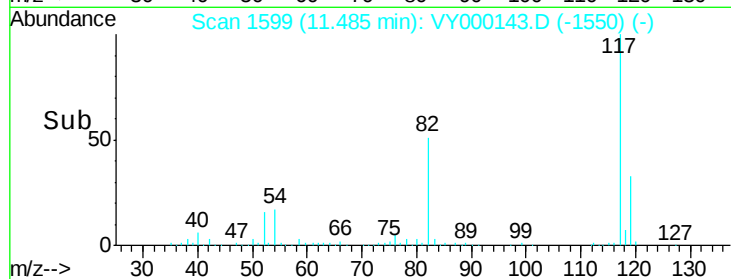
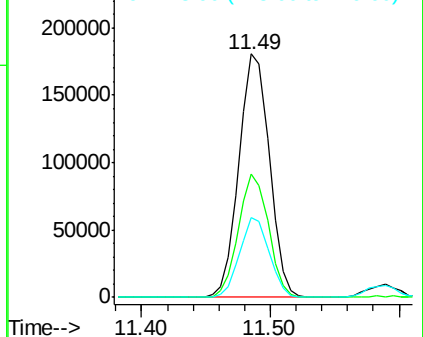


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 10.418 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.4	99.5	149.3
129	91.2	72.8	109.2
131	79.1	73.0	109.6

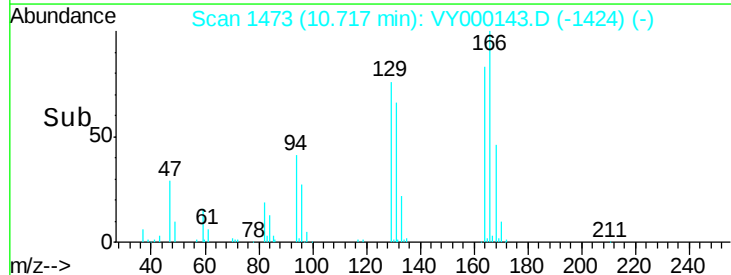
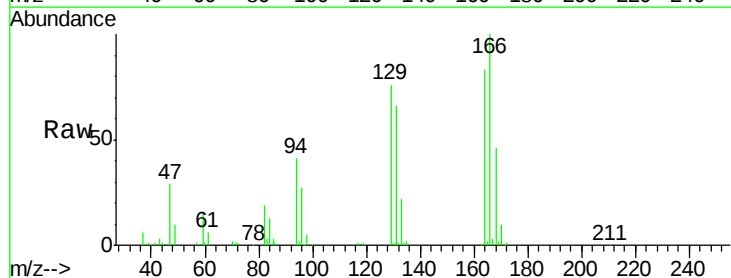
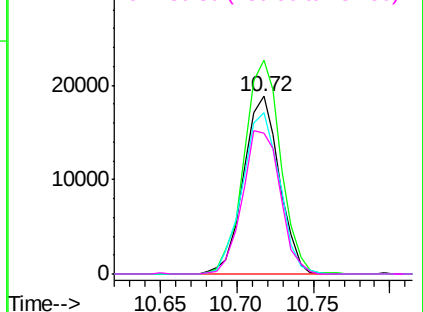
Abundance

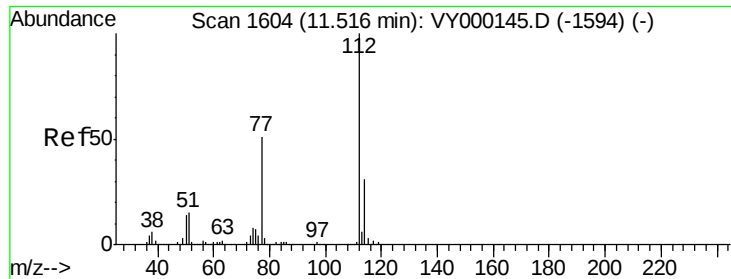
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 10.664 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 65761

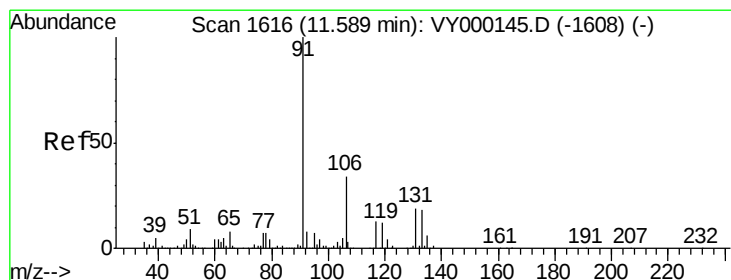
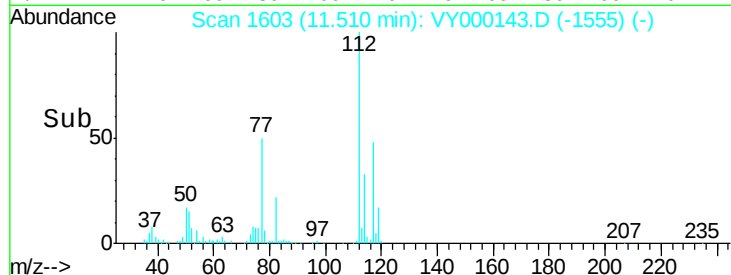
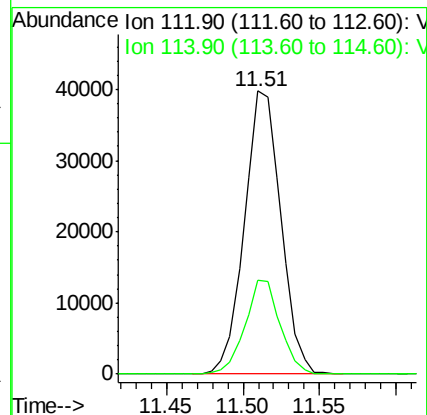
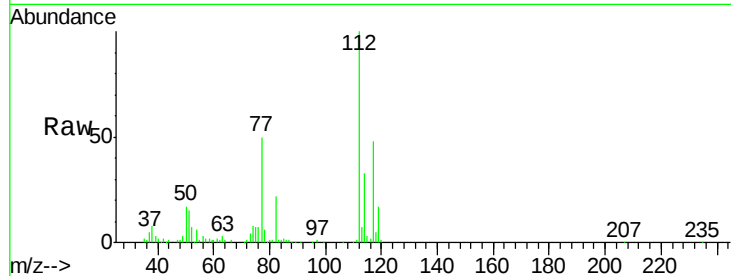
Ion Ratio Lower Upper

112 100

114 33.1 25.1 37.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 10.086 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

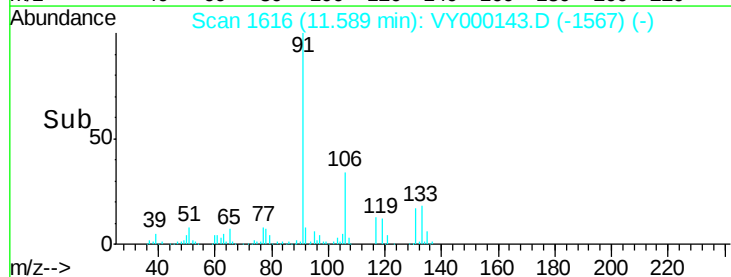
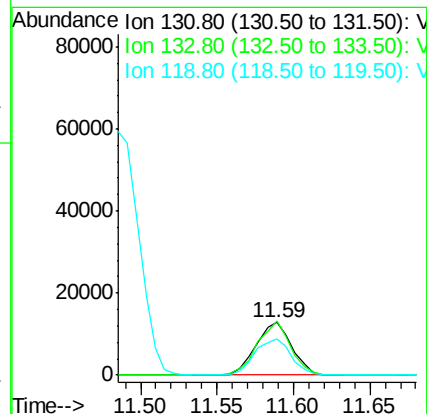
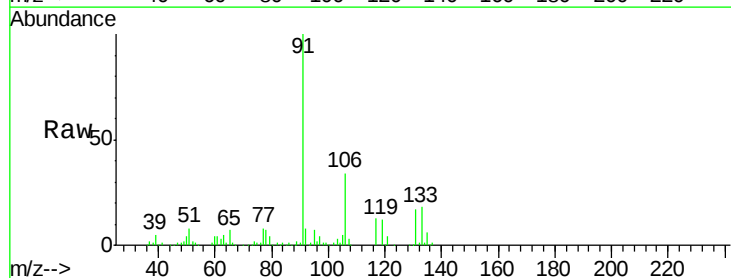
Tgt Ion:131 Resp: 21016

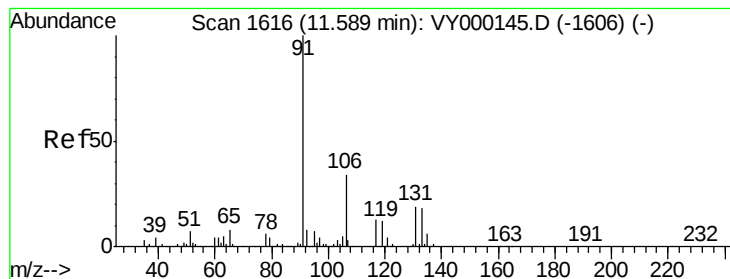
Ion Ratio Lower Upper

131 100

133 96.3 47.2 141.6

119 70.7 32.3 96.9





#67

Ethyl Benzene

Concen: 10.572 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 111436

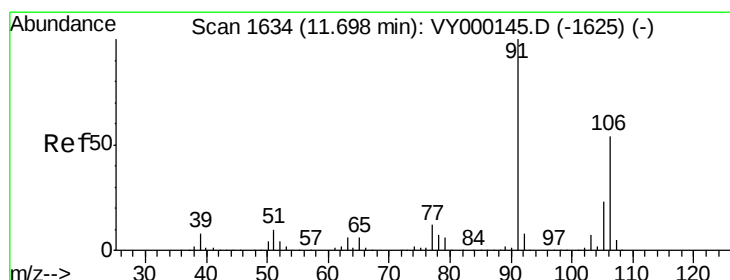
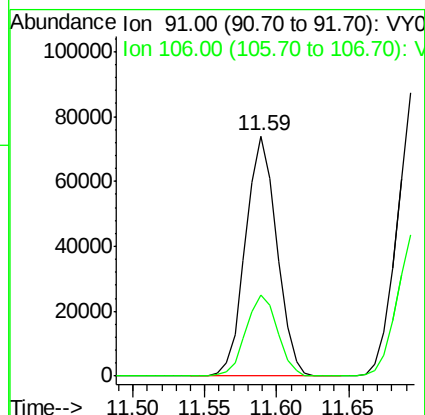
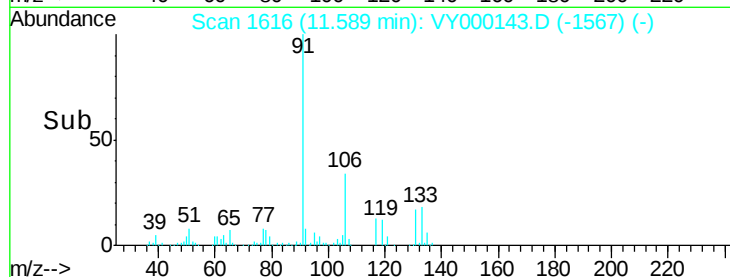
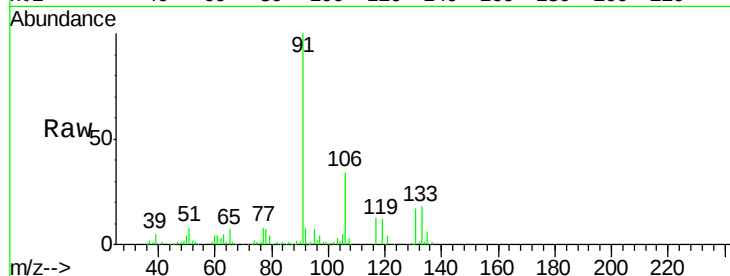
Ion Ratio Lower Upper

91 100

106 34.0 27.3 40.9

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#68

m/p-Xylenes

Concen: 21.053 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000143.D

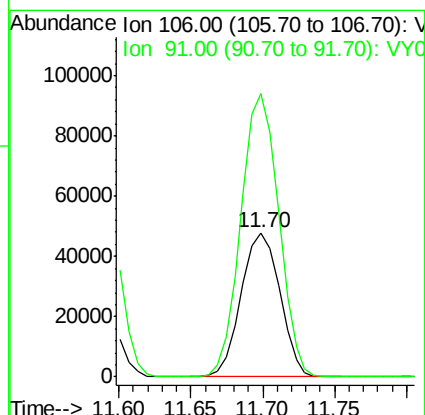
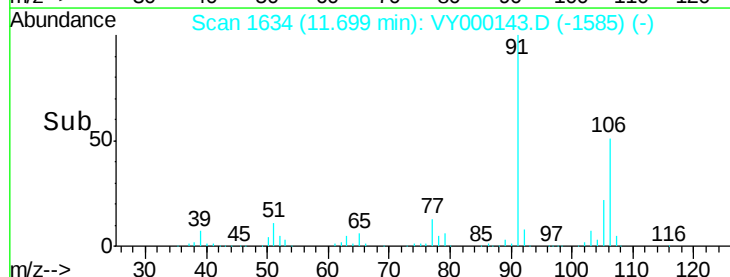
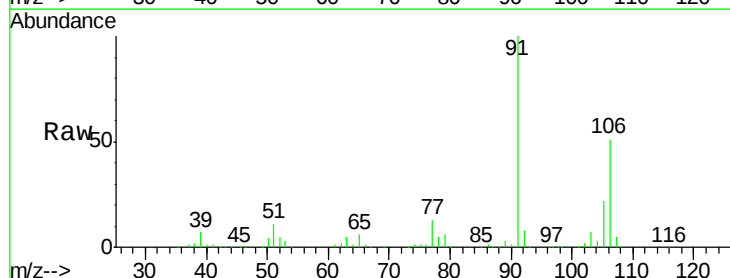
Acq: 26 Sep 2019 10:49

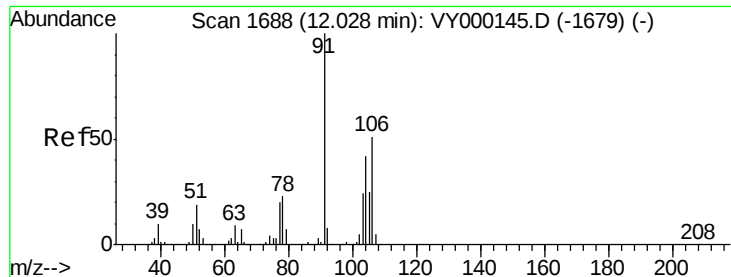
Tgt Ion: 106 Resp: 89711

Ion Ratio Lower Upper

106 100

91 191.6 148.6 223.0





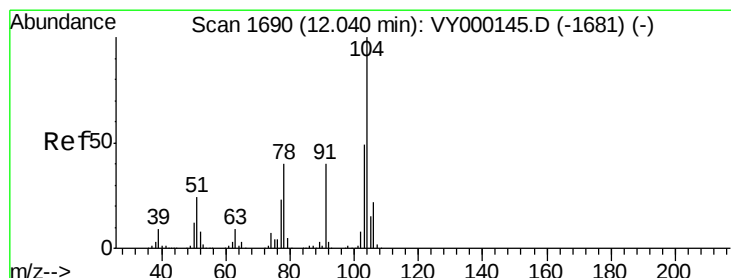
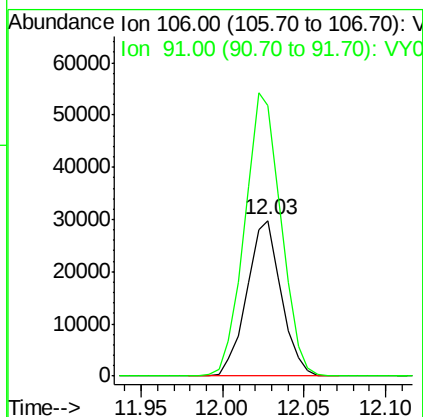
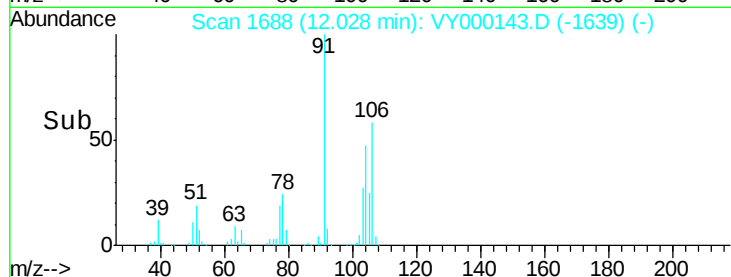
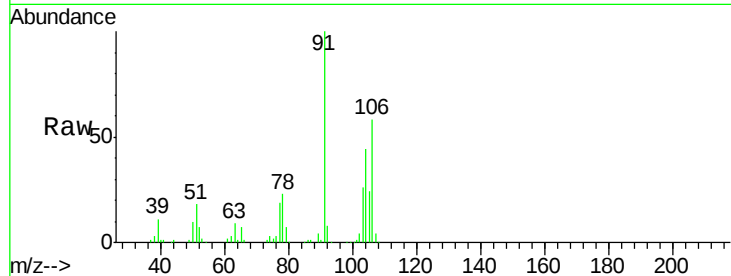
#69
o-Xylene
Concen: 10.817 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 43960
Ion Ratio Lower Upper
106 100
91 191.1 98.0 293.9

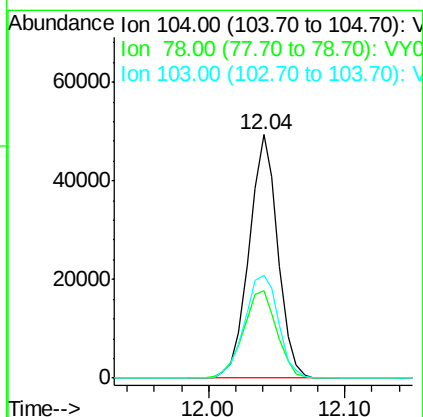
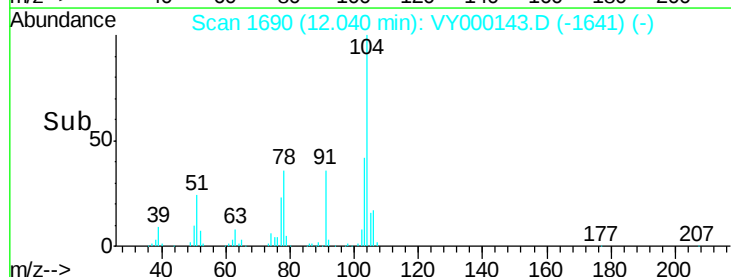
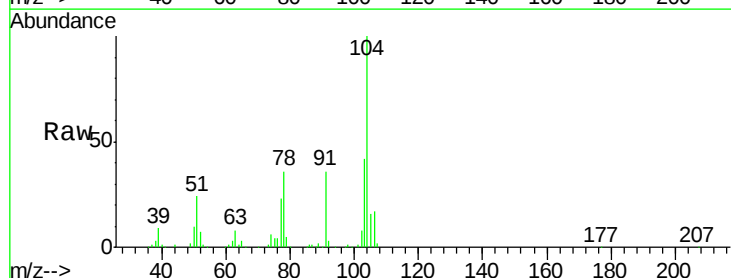
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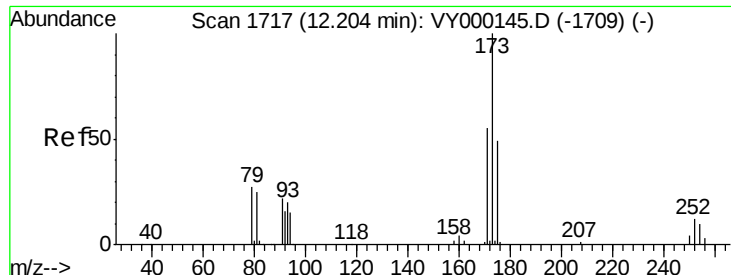
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#70
Styrene
Concen: 10.629 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion:104 Resp: 73102
Ion Ratio Lower Upper
104 100
78 42.0 34.7 52.1
103 49.8 41.6 62.4





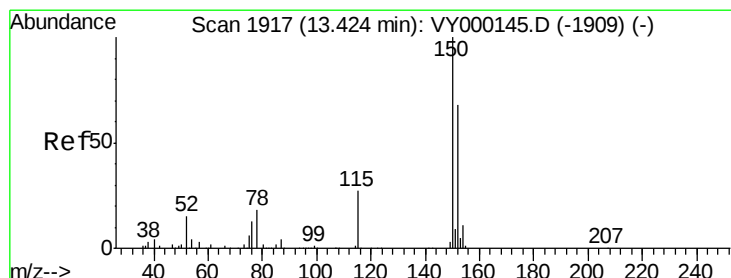
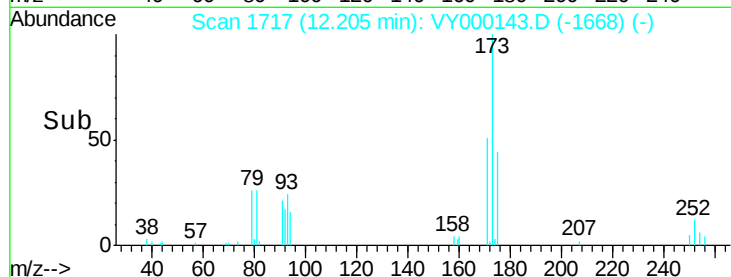
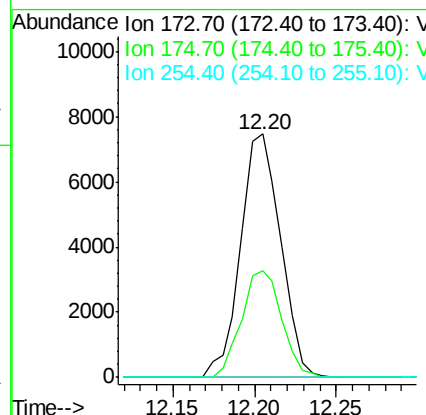
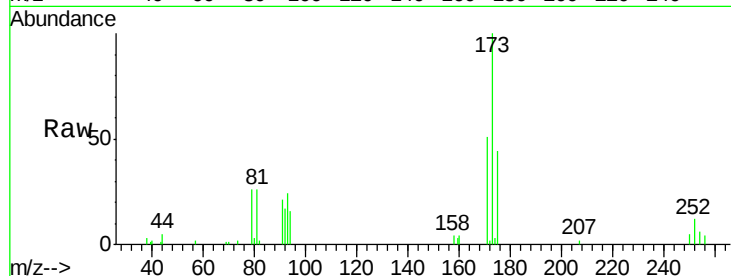
#71
Bromoform
Concen: 10.416 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.0	23.5	70.6
254	0.0	0.1	0.1#

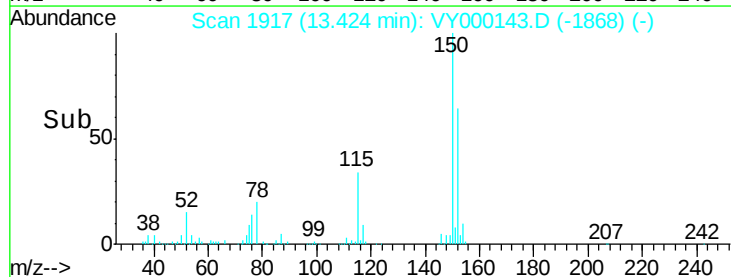
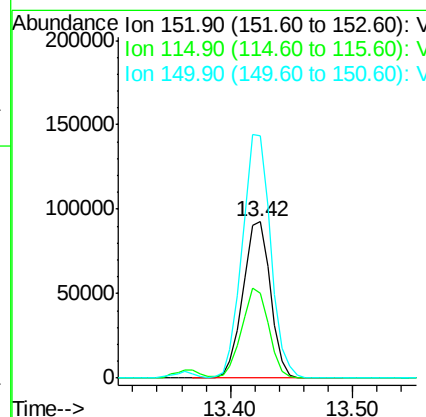
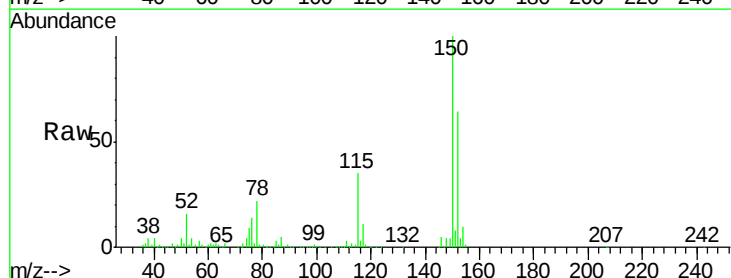
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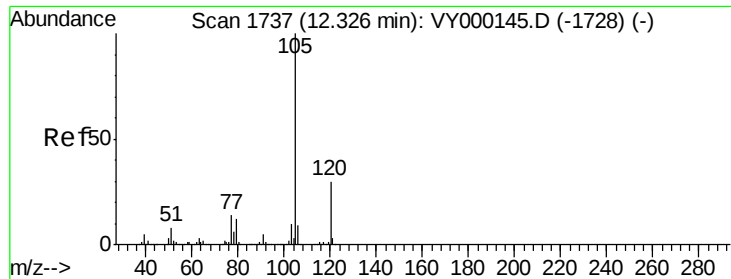
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	26.8	80.4
150	160.8	0.0	347.8





#73

Isopropylbenzene

Concen: 10.409 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 108109

Ion Ratio Lower Upper

105 100

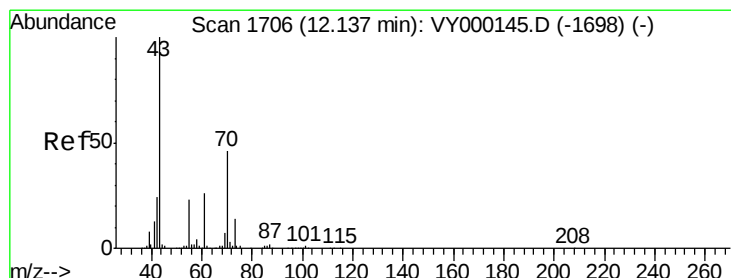
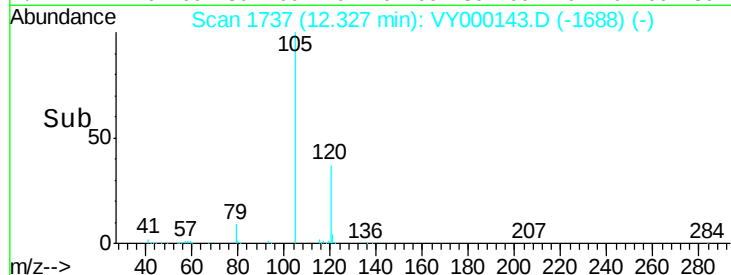
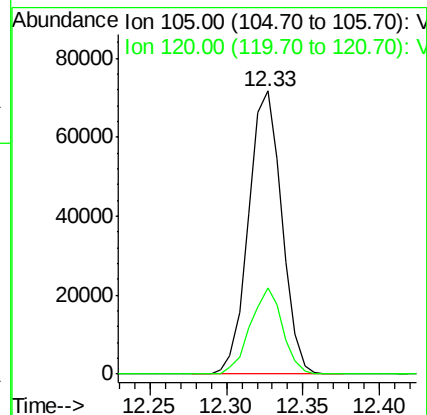
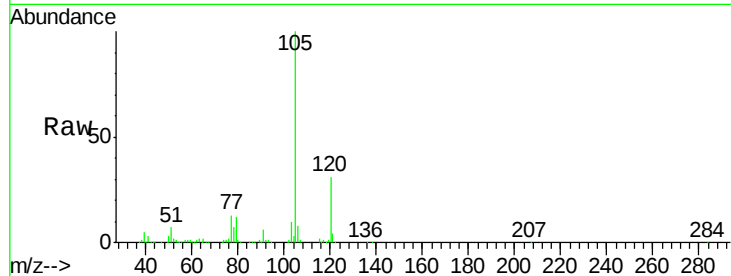
120 29.6 14.7 44.1

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#74

N-ethyl acetate

Concen: 10.276 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Tgt Ion: 43 Resp: 25832

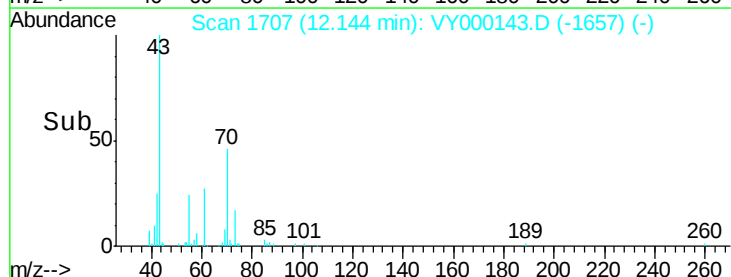
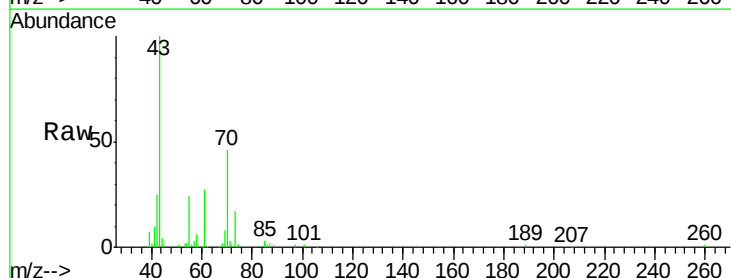
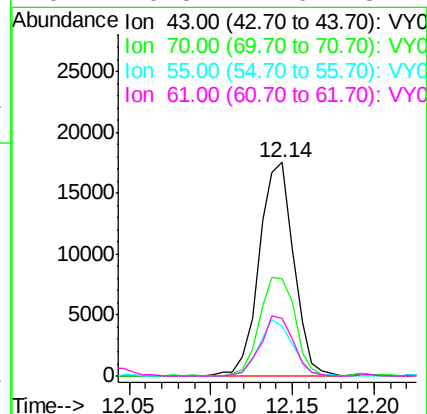
Ion Ratio Lower Upper

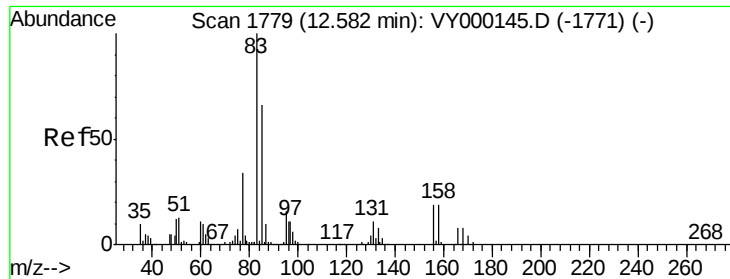
43 100

70 47.6 37.3 55.9

55 25.7 18.6 27.8

61 26.8 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 11.284 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

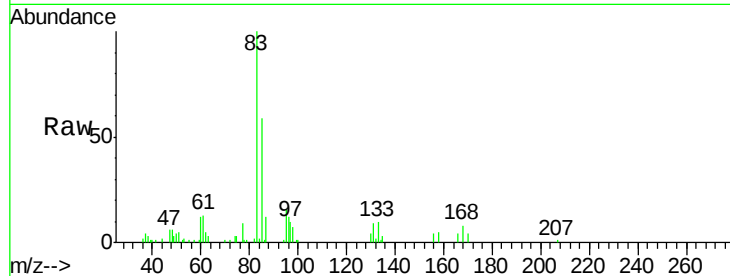
ClientSampleId :

VSTDIC010

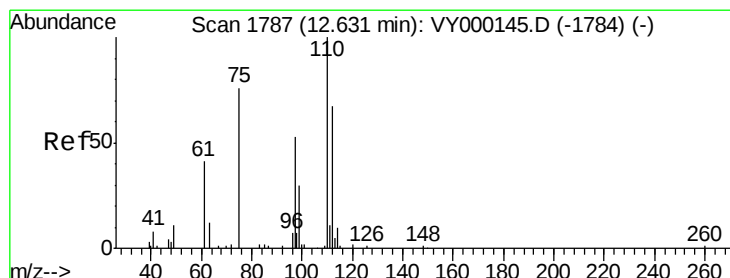
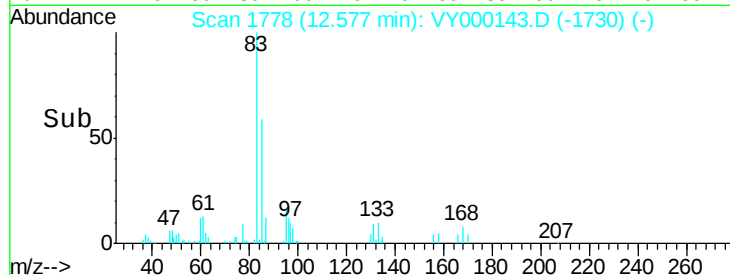
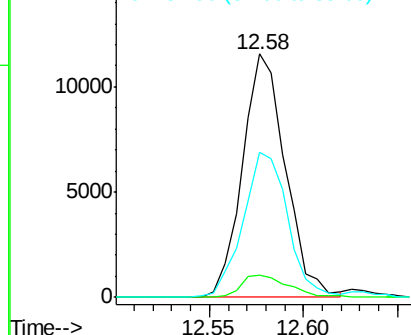
Tot Ion:	83	Resp:	18242
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.4	16.2
85	62.1	32.5	97.5

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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 11.821 ug/l m

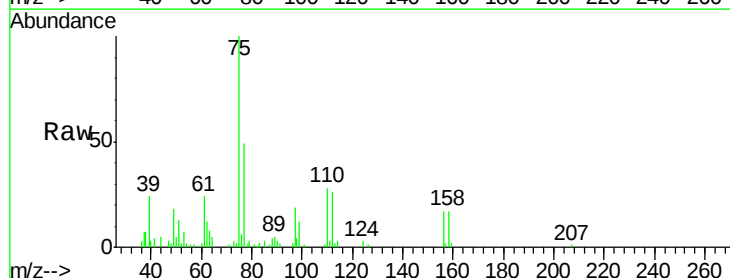
RT: 12.63 min Scan# 1786

Delta R.T. -0.01 min

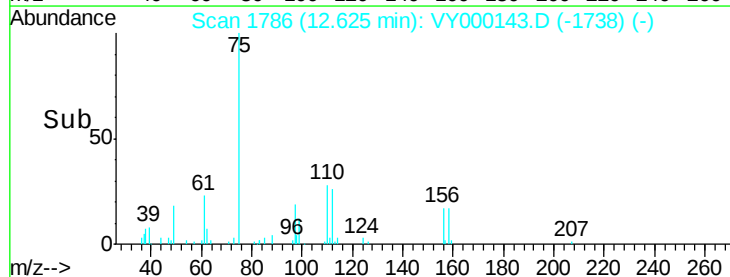
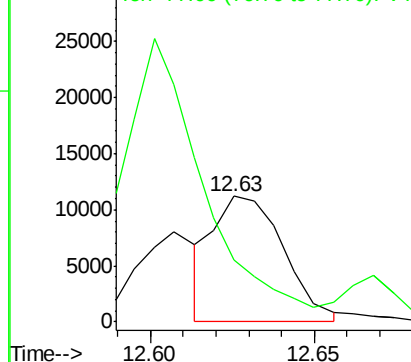
Lab File: VY000143.D

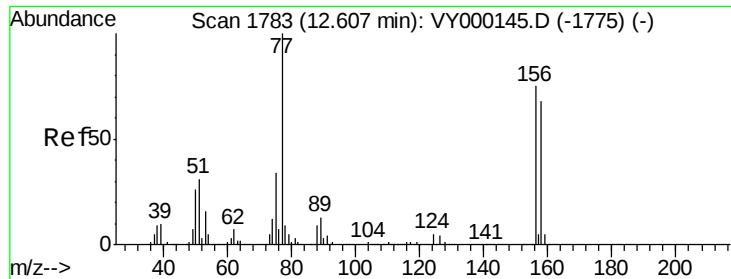
Acq: 26 Sep 2019 10:49

Tgt Ion:	75	Resp:	16761
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 10.213 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 26203

Ion Ratio Lower Upper

156 100

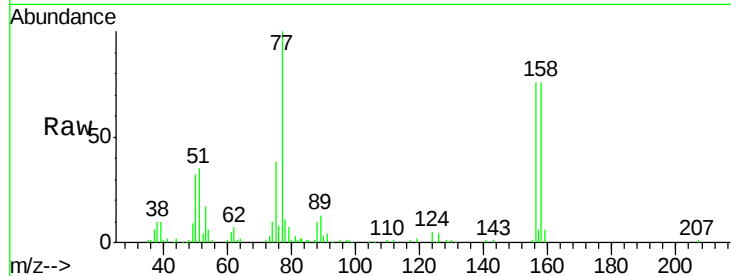
77 167.7 83.0 249.2

158 99.7 47.4 142.2

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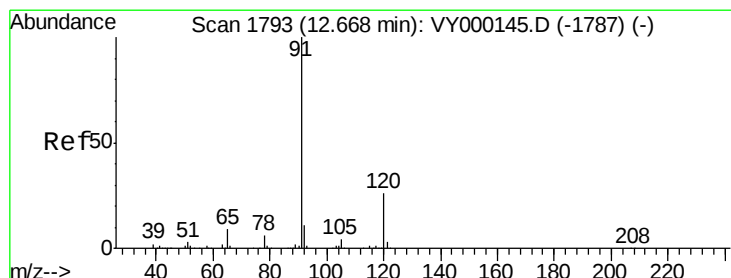
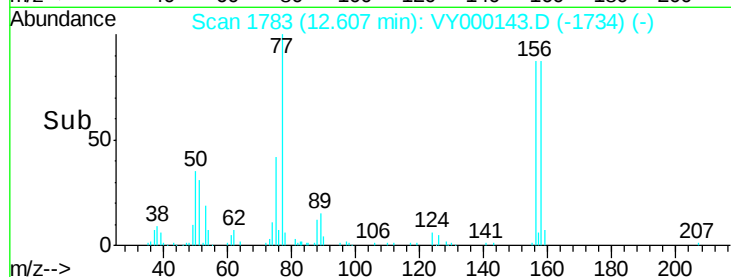
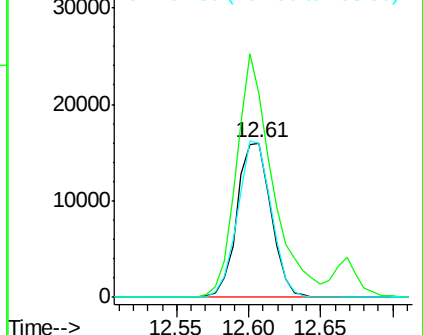
10/2/2019 9:12:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.510 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000143.D

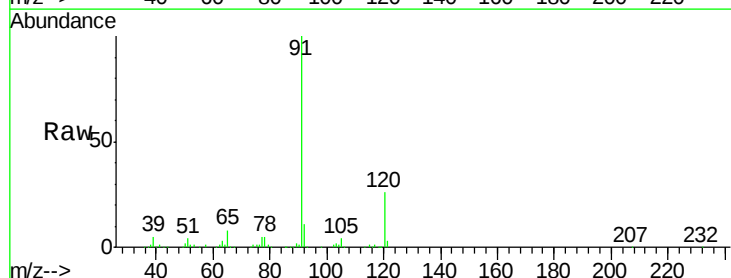
Acq: 26 Sep 2019 10:49

Tgt Ion: 91 Resp: 130115

Ion Ratio Lower Upper

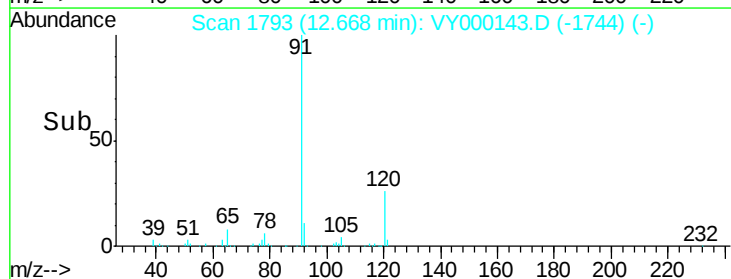
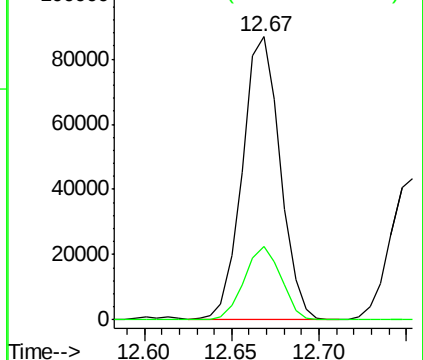
91 100

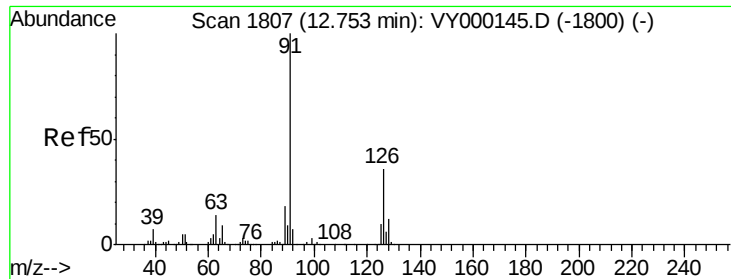
120 25.4 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.366 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 69826

Ion Ratio Lower Upper

91 100

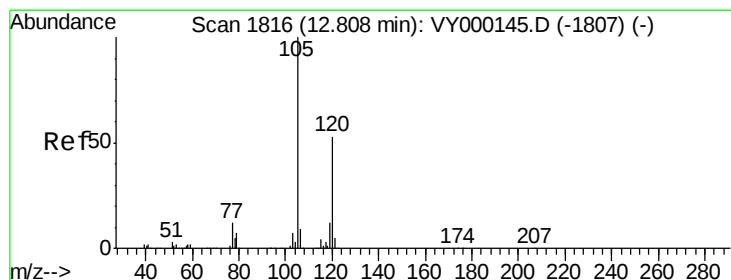
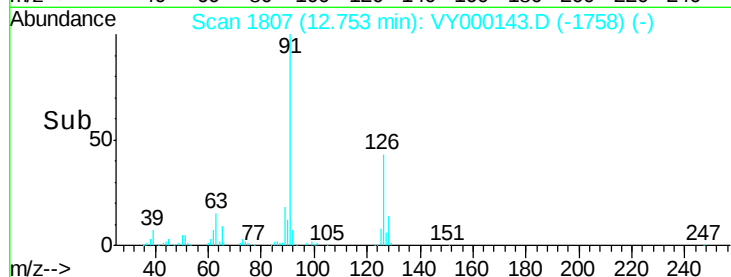
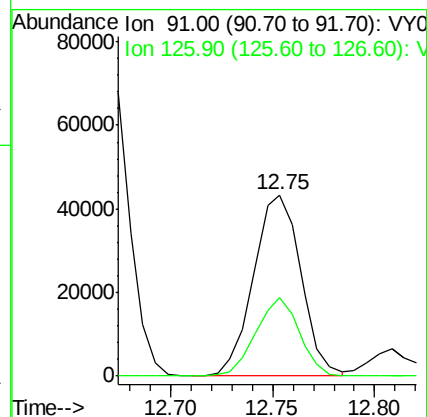
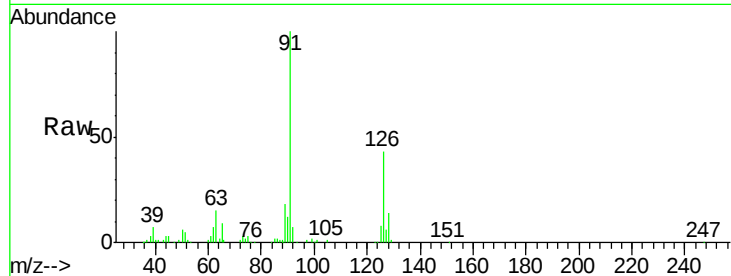
126 40.0 19.1 57.5

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#80

1,3,5-Trimethylbenzene

Concen: 10.608 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000143.D

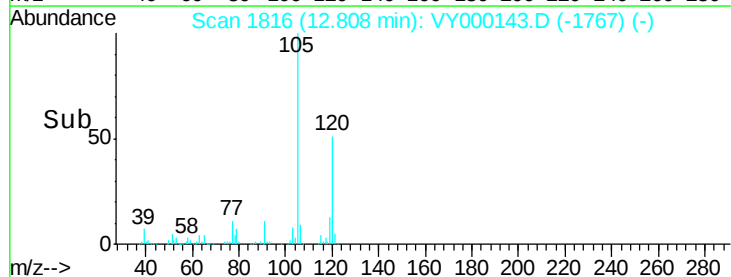
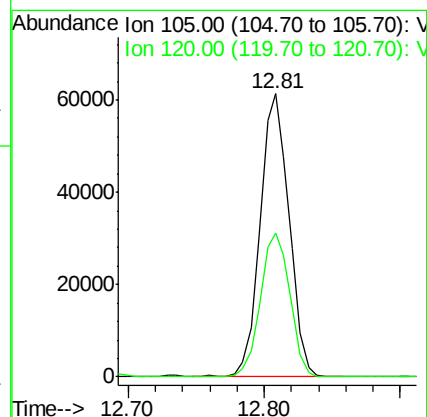
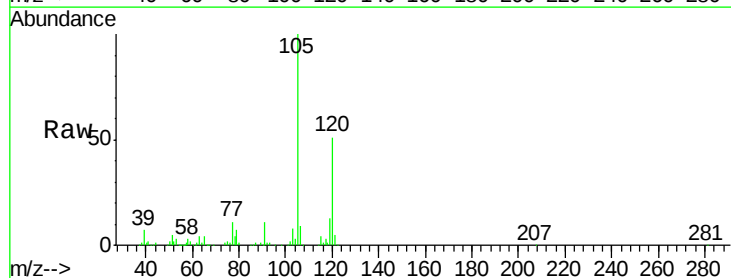
Acq: 26 Sep 2019 10:49

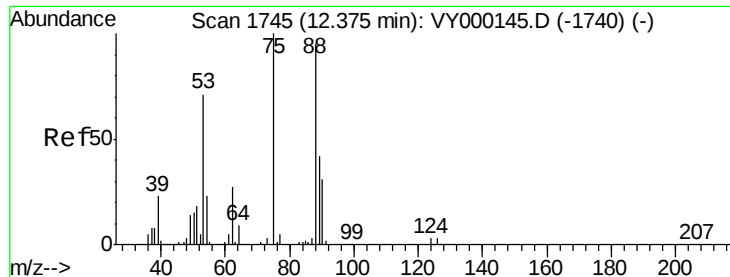
Tgt Ion: 105 Resp: 91648

Ion Ratio Lower Upper

105 100

120 51.5 26.7 80.0





#81

trans-1,4-Dichloro-2-butene

Concen: 10.111 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

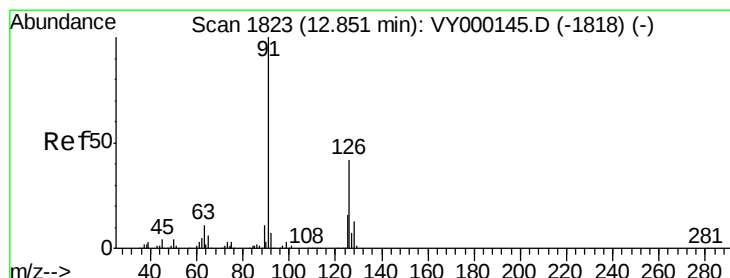
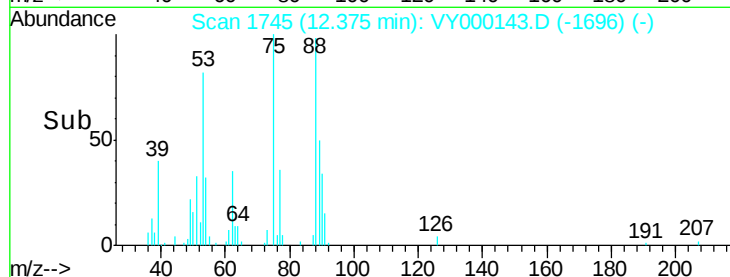
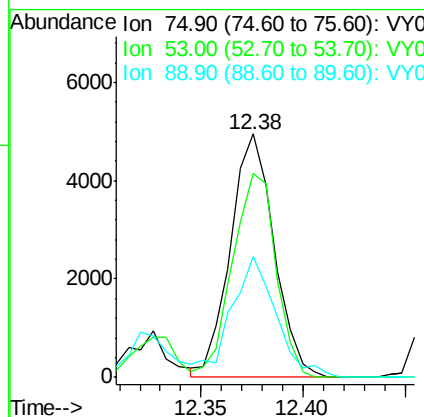
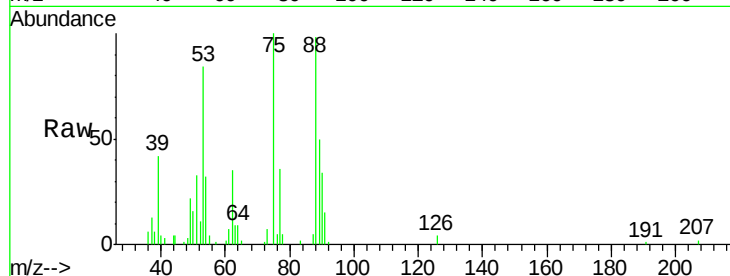
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	7350
Ion	Ratio	Lower	Upper
75	100		
53	83.1	61.8	92.8
89	51.0	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.388 ug/l

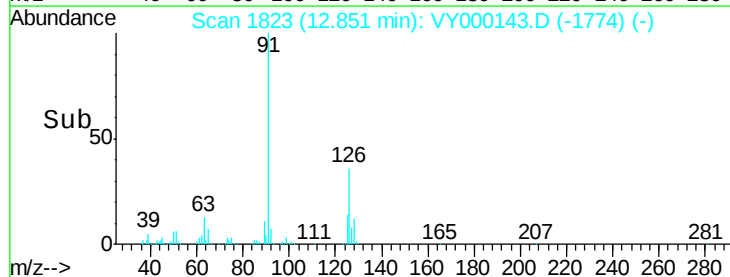
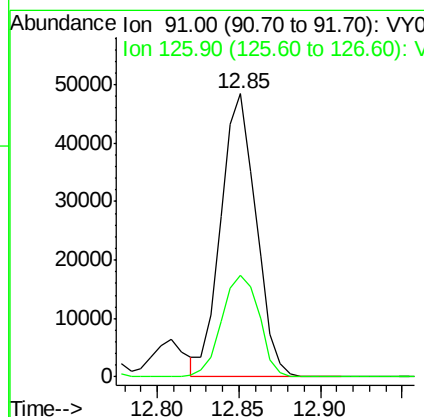
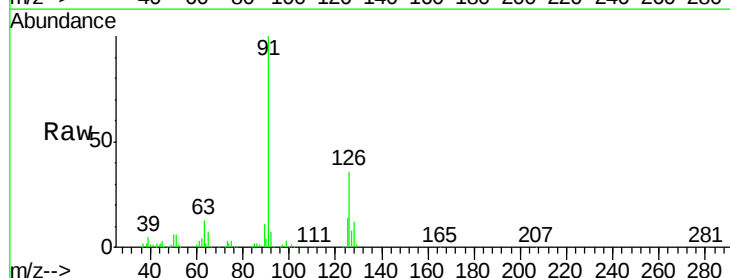
RT: 12.85 min Scan# 1823

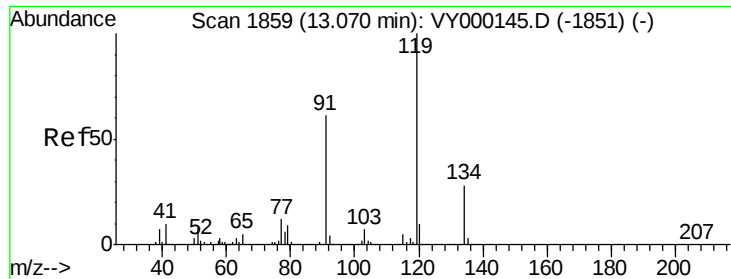
Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Tgt Ion:	91	Resp:	72909
Ion	Ratio	Lower	Upper
91	100		
126	38.3	19.4	58.2





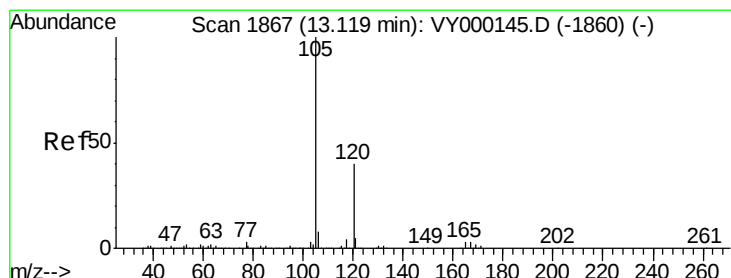
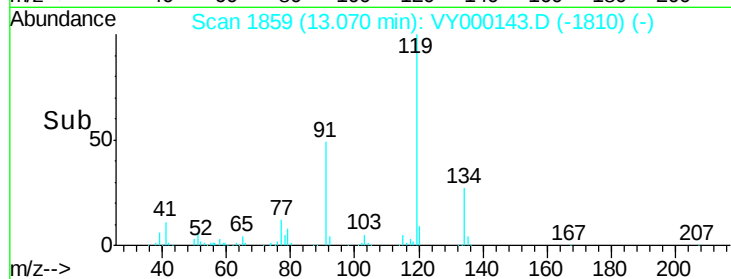
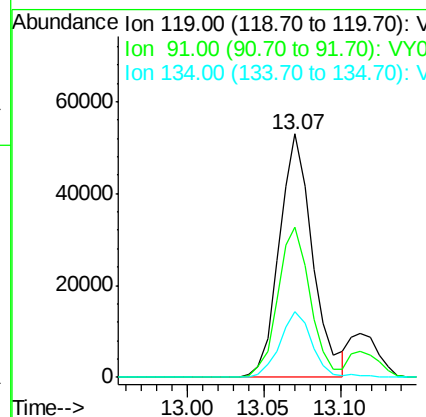
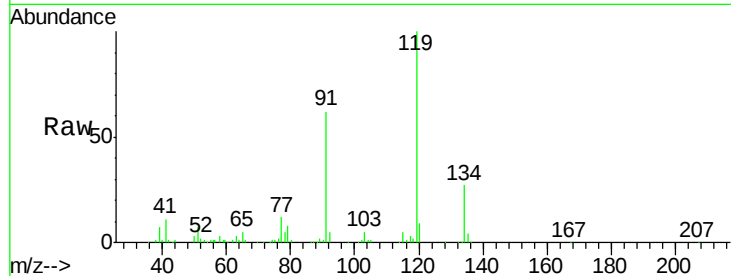
#83
 tert-Butylbenzene
 Concen: 10.765 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	80086		
91	60.8		31.0	93.0
134	26.4		14.0	41.9

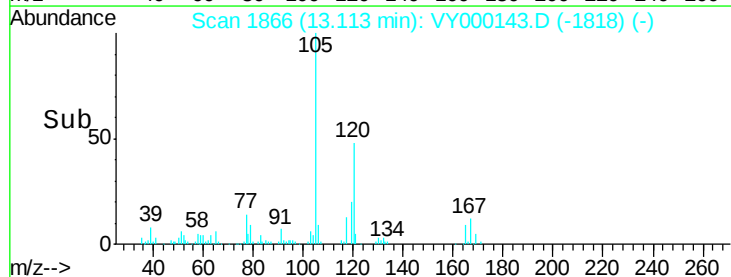
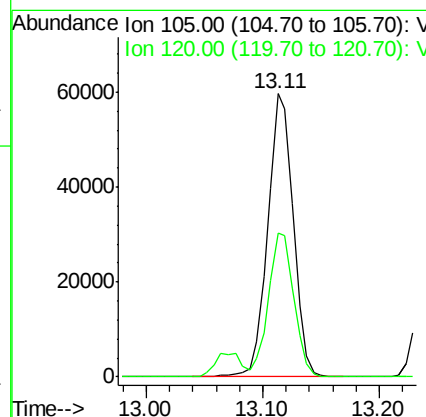
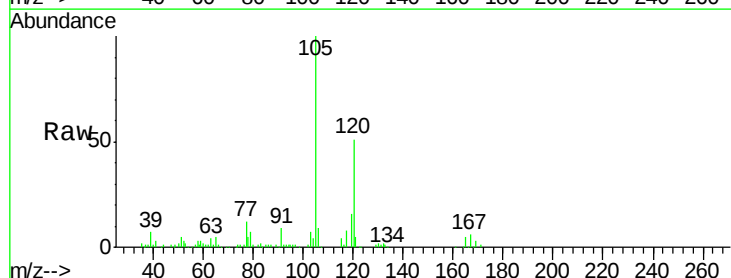
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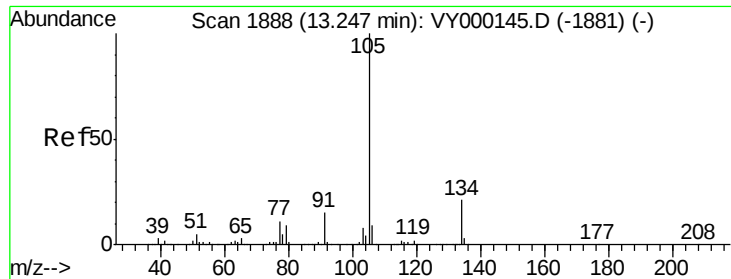
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.299 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	89916		
120	50.9		24.6	73.8





#85

sec-Butylbenzene

Concen: 10.463 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 111755

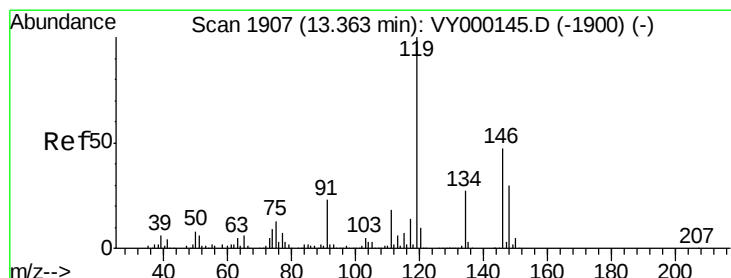
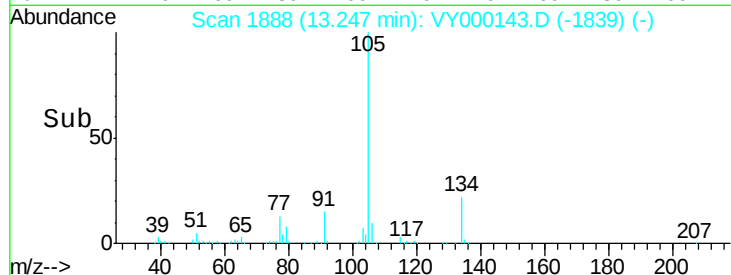
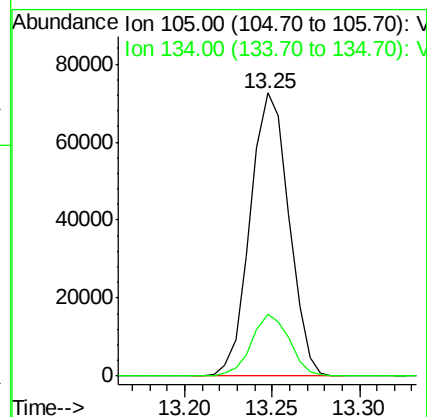
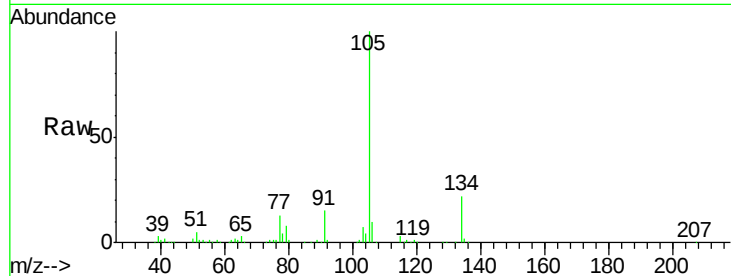
Ion Ratio Lower Upper

105 100

134 21.4 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 10.349 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000143.D

Acq: 26 Sep 2019 10:49

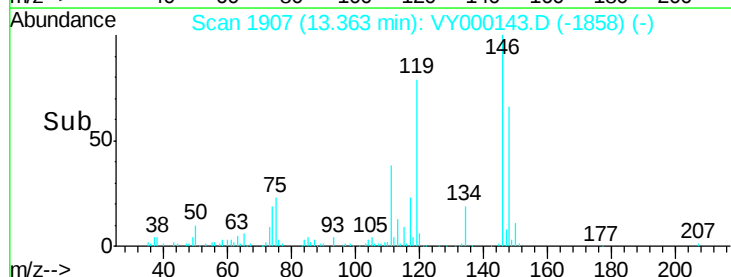
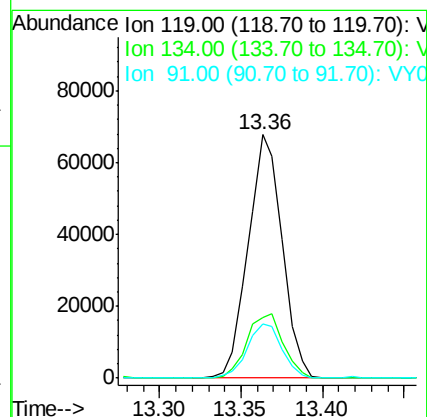
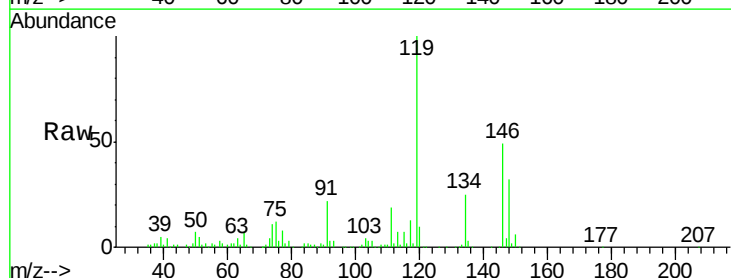
Tgt Ion:119 Resp: 98444

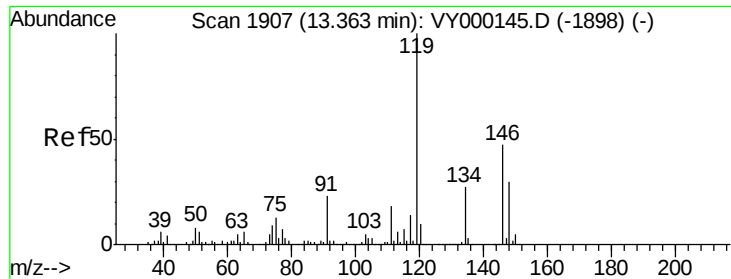
Ion Ratio Lower Upper

119 100

134 28.4 14.3 42.9

91 23.1 11.4 34.1





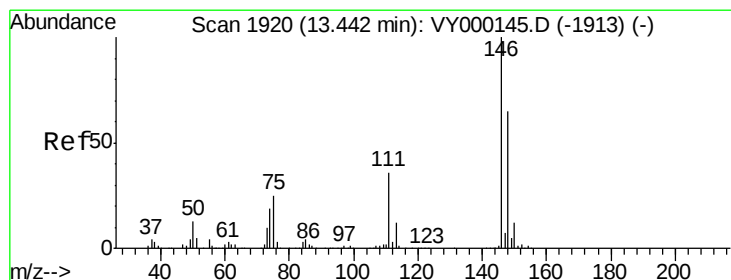
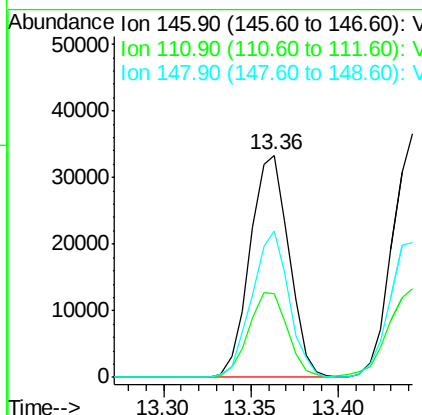
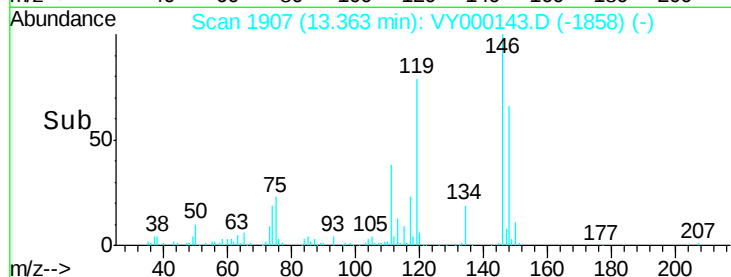
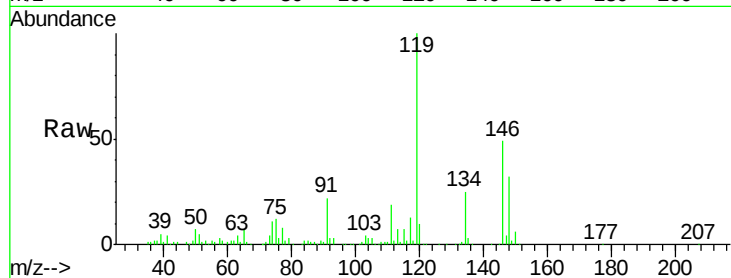
#87
 1,3-Dichlorobenzene
 Concen: 10.498 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	62.8	31.6	94.8

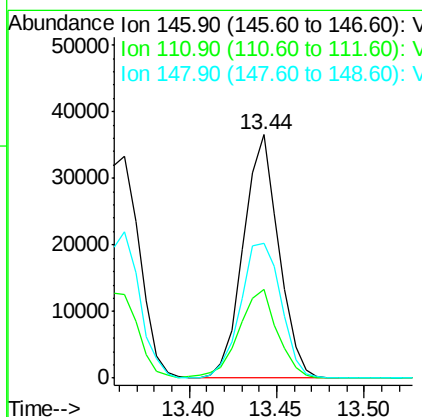
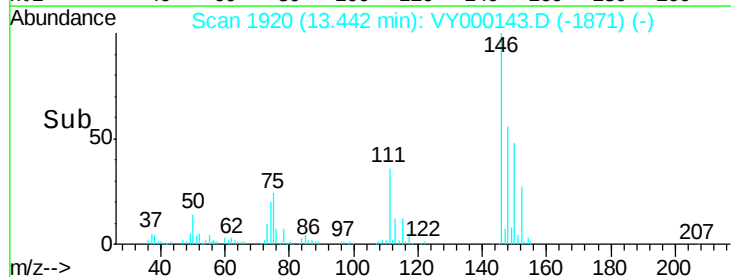
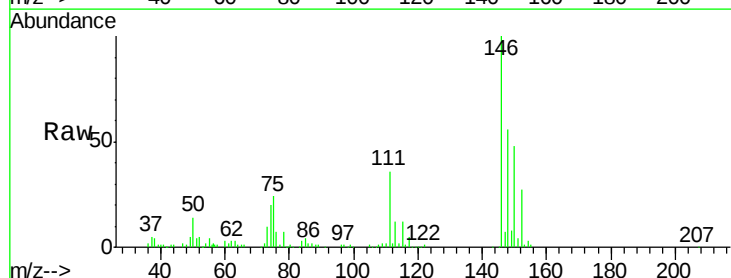
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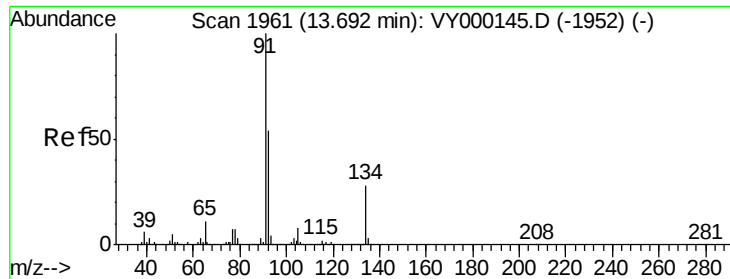
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#88
 1,4-Dichlorobenzene
 Concen: 10.537 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.3	54.9
148	63.6	31.9	95.7





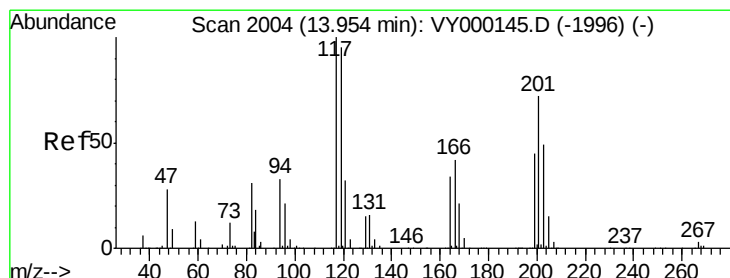
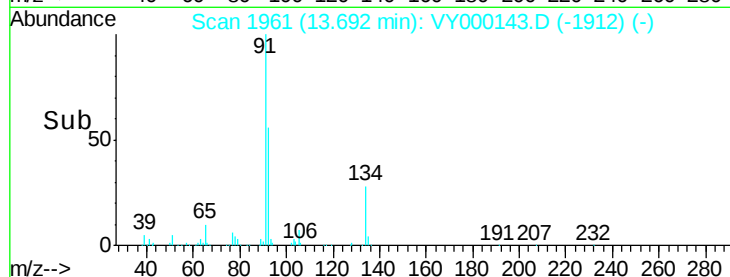
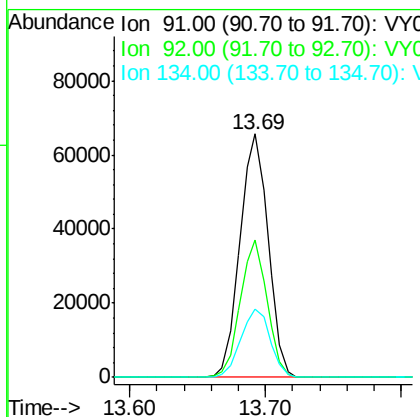
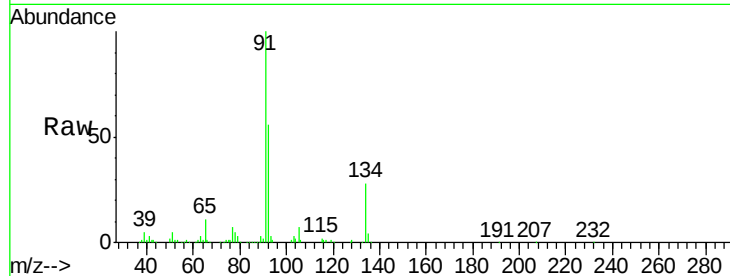
#89
n-Butylbenzene
Concen: 10.518 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	29.4	14.4	43.2

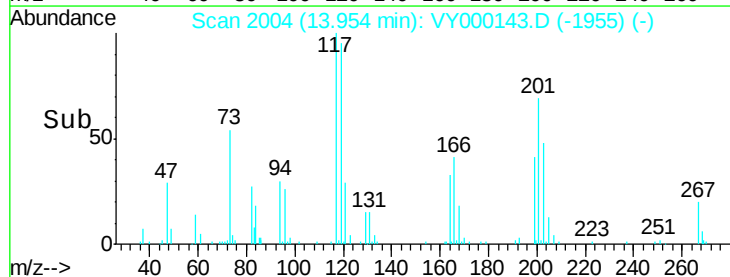
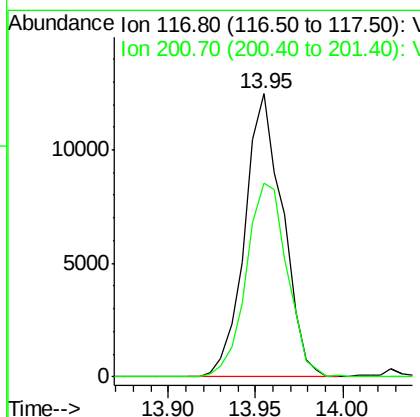
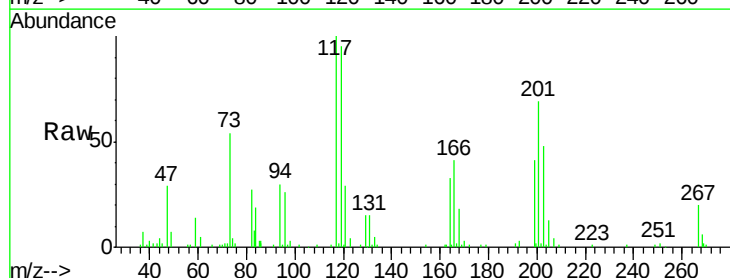
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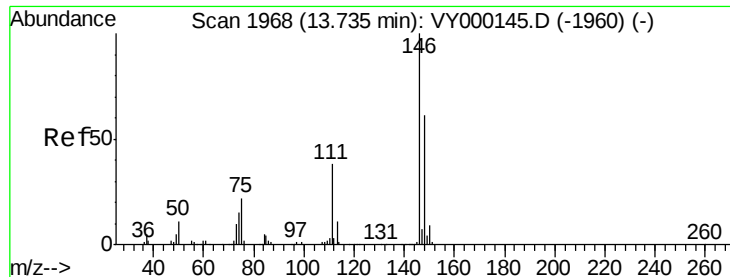
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#90
Hexachloroethane
Concen: 10.452 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	38.6	115.8





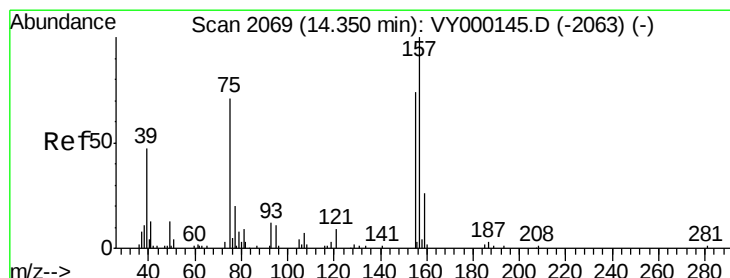
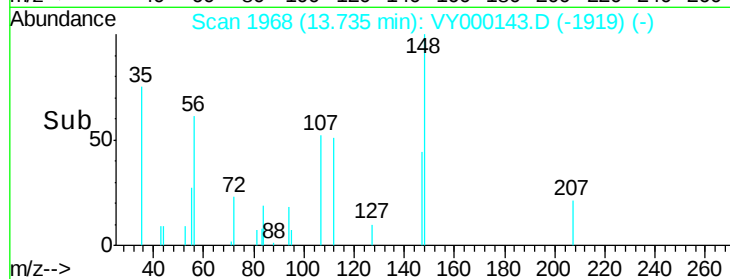
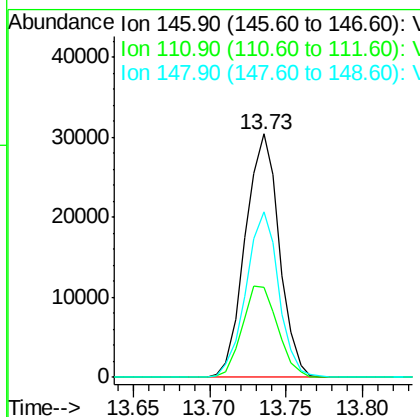
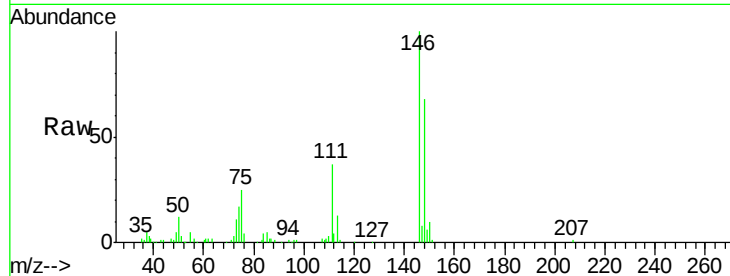
#91
 1,2-Dichlorobenzene
 Concen: 10.448 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	65.6	31.9	95.7

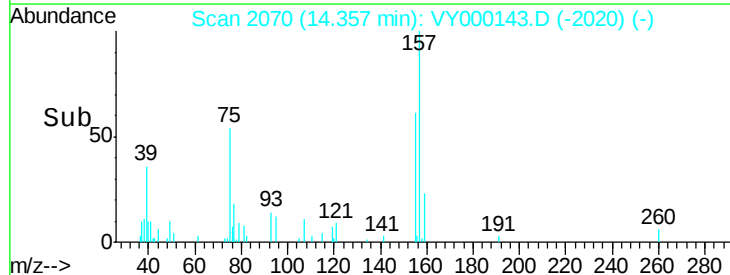
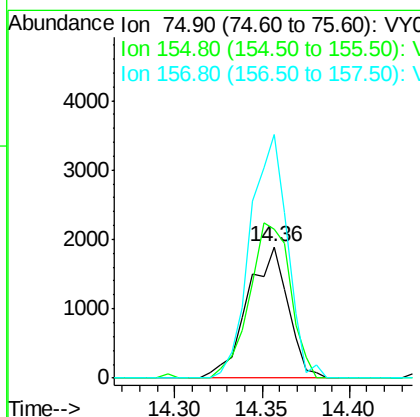
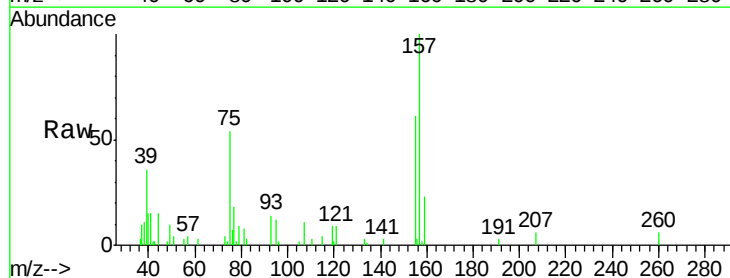
Manual Integrations
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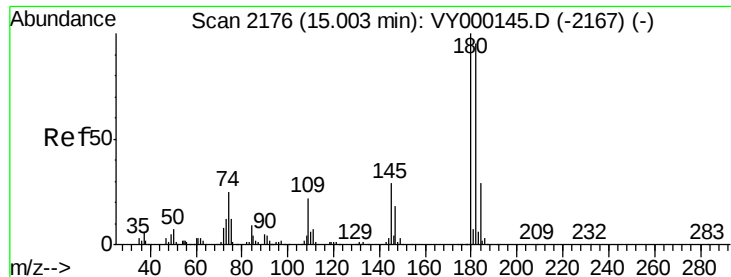
MMDadoda
 10/2/2019 9:12:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.575 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	118.8	51.3	153.9
157	169.6	67.3	201.8





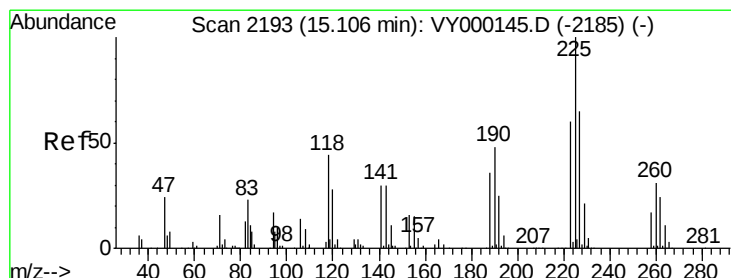
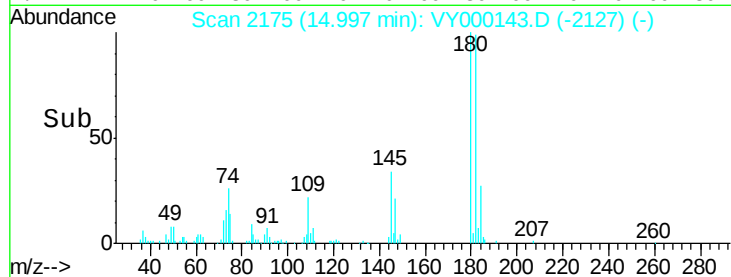
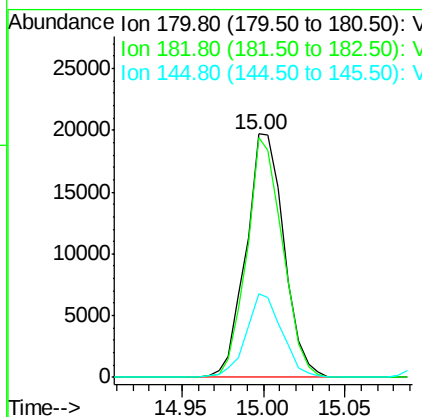
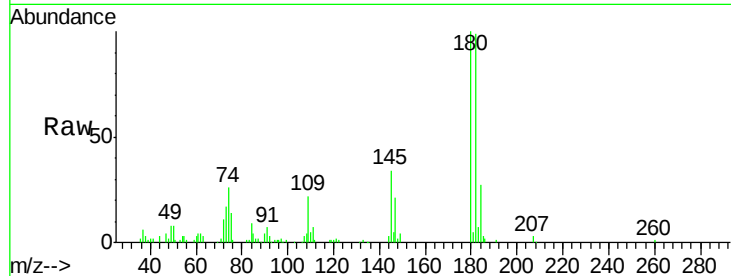
#93
 1,2,4-Trichlorobenzene
 Concen: 10.246 ug/l
 RT: 15.00 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	31930		
182	92.8	47.0	141.2	
145	32.4	14.6	44.0	

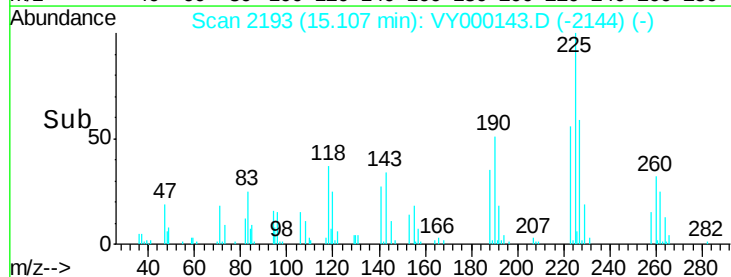
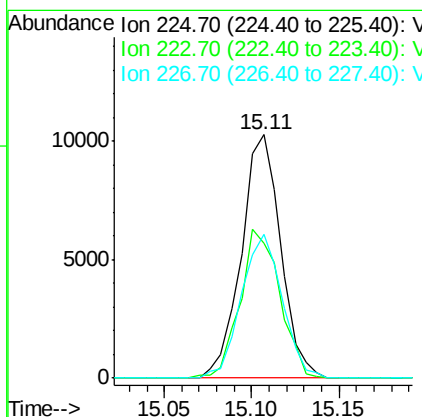
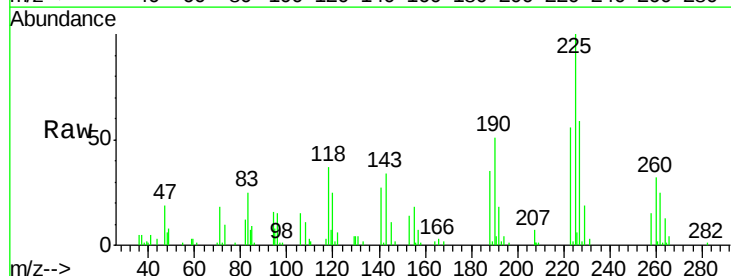
Manual Integrations
 APPROVED

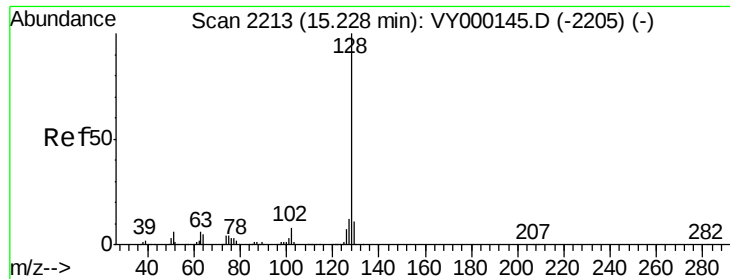
MMDadoda
 10/2/2019 9:12:47 AM



#94
 Hexachlorobutadiene
 Concen: 10.552 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000143.D
 Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16044		
223	62.0	31.5	94.5	
227	61.4	32.4	97.0	





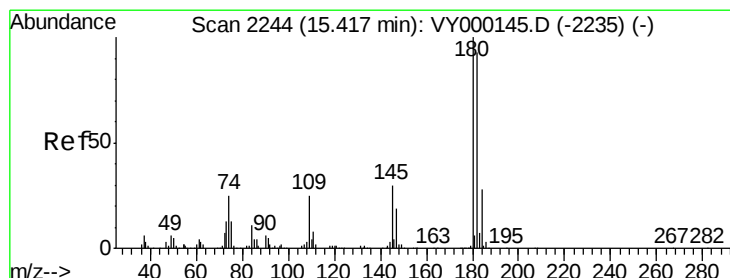
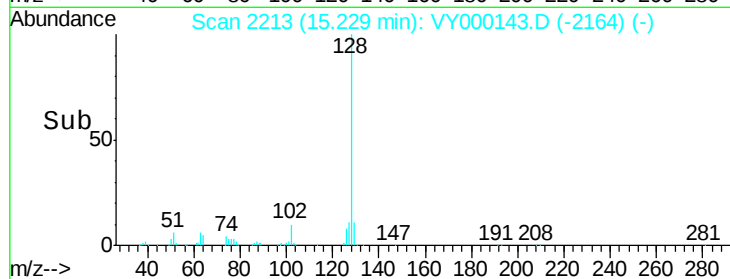
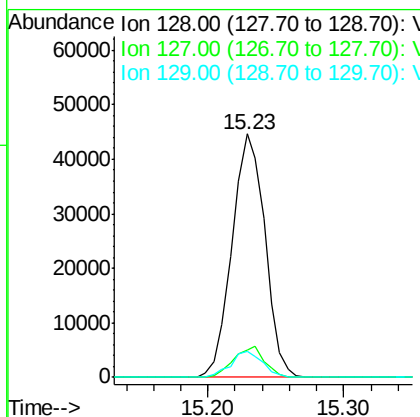
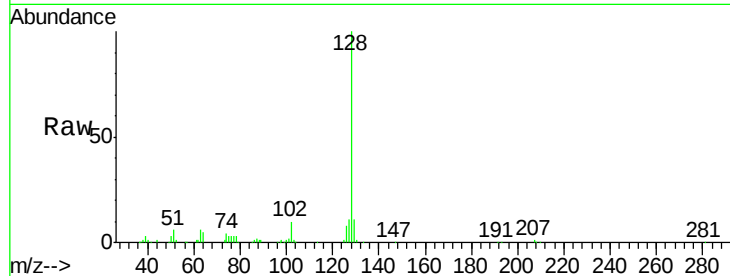
#95
Naphthalene
Concen: 10.784 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	75251		
127	12.0		9.5	14.3
129	10.3		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:12:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.703 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000143.D
Acq: 26 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	29915		
182	94.5		46.6	139.7
145	32.5		15.4	46.4

