

Data File : VY001507.D
Acq On : 05 Feb 2020 15:20
Operator : SY/MD
Sample : L1329-22
Misc : 5.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
628-629RE

Quant Time: Feb 06 06:39:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	166299	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	309080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	215172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	39814	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	102229	61.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	122.10%	
35) Dibromofluoromethane	7.75	113	95992	53.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	10.20	98	333403	49.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.49	95	80447	30.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.56%	

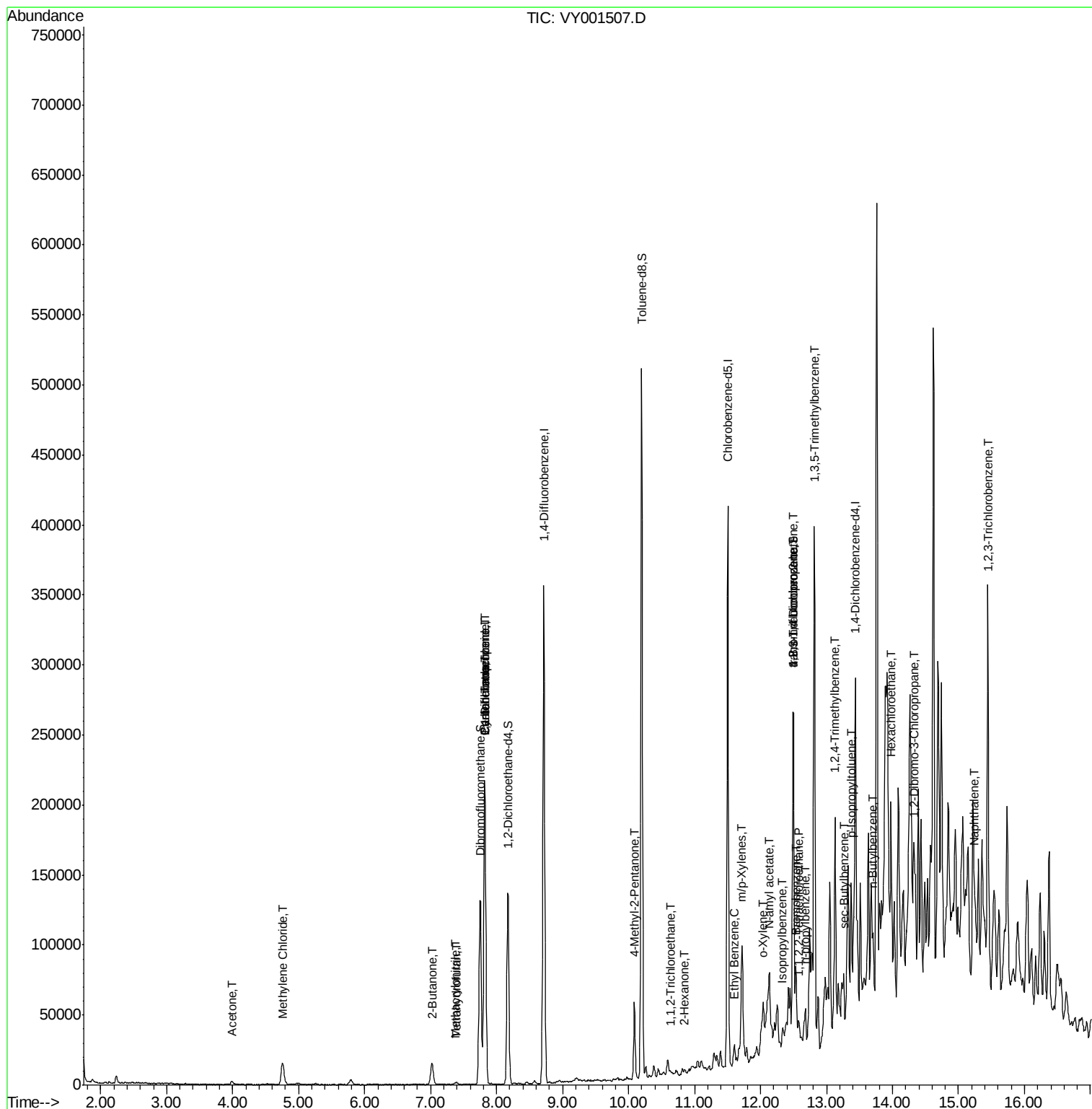
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.98	59	842	Below Cal	#	84
16) Acetone	3.99	43	4649	9.599	ug/l	91
20) Methylene Chloride	4.76	84	12323	1.957	ug/l	87
25) 2-Butanone	7.03	43	4579	7.287	ug/l #	77
29) Tetrahydrofuran	7.39	42	976	2.592	ug/l #	86
31) Cyclohexane	7.82	56	3744	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13451	4.757	ug/l #	49
38) Carbon Tetrachloride	7.82	117	17065	6.238	ug/l #	17
41) Methacrylonitrile	7.38	41	1021	1.609	ug/l #	3
51) 4-Methyl-2-Pentanone	10.09	43	35328	26.470	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	1716	1.094	ug/l #	22
59) 2-Hexanone	10.85	43	1253	1.291	ug/l	62
67) Ethyl Benzene	11.61	91	9455	1.210	ug/l	95
68) m/p-Xylenes	11.71	106	11957	4.077	ug/l	95
69) o-Xylene	12.04	106	7151	2.586	ug/l	96
73) Isopropylbenzene	12.34	105	4560	1.502	ug/l	84
74) N-amyl acetate	12.13	43	29364	37.214	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.58	83	716	1.241	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	39213	91.585	ug/l #	100
77) Bromobenzene	12.55	156	12073	18.372	ug/l #	1
78) n-propylbenzene	12.68	91	18103	4.980	ug/l	94
80) 1,3,5-Trimethylbenzene	12.82	105	20212	7.904	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.49	75	39213	177.212	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.13	105	79305	31.333	ug/l	100
85) sec-Butylbenzene	13.27	105	12294	4.045	ug/l	91
86) p-Isopropyltoluene	13.38	119	7661	2.861	ug/l	98
89) n-Butylbenzene	13.70	91	29280	11.080	ug/l #	72
90) Hexachloroethane	13.99	117	3805	7.402	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.34	75	248	2.329	ug/l #	1
95) Naphthalene	15.25	128	21584	11.941	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.45	180	1180	1.738	ug/l #	1

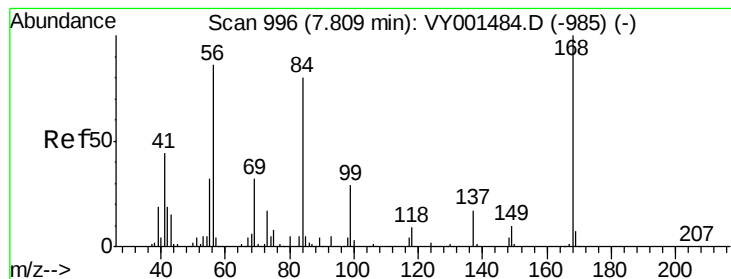
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001507.D

Acq: 05 Feb 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

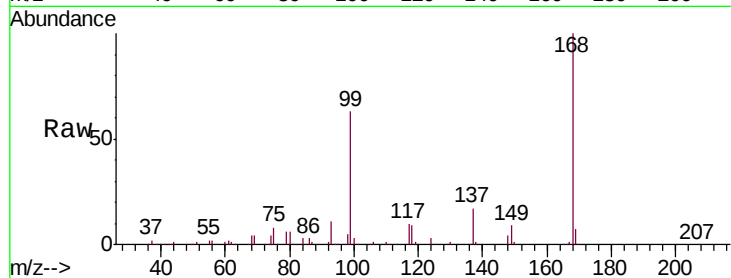
628-629RE

Tgt Ion:168 Resp: 166299

Ion Ratio Lower Upper

168 100

99 62.7 48.2 72.4

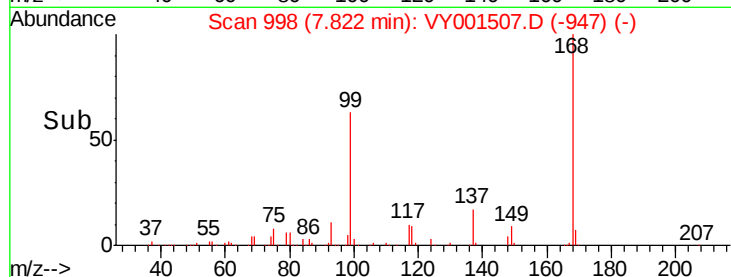


Abundance Ion 167.90 (167.60 to 168.60): VY001507.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001507.D (-947) (-)

7.82

Time-->



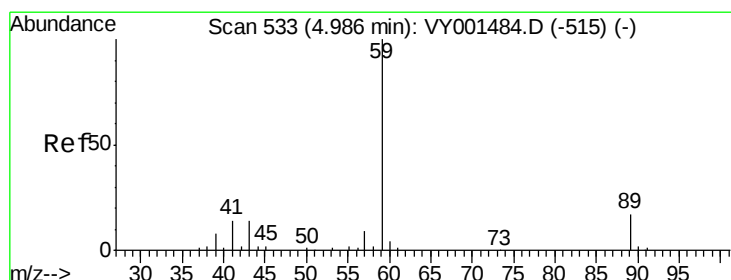
Abundance

Ion 167.90 (167.60 to 168.60): VY001507.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001507.D (-947) (-)

7.82

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001507.D

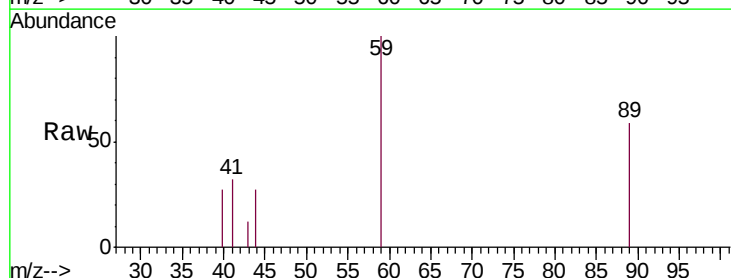
Acq: 05 Feb 2020 15:20

Tgt Ion: 59 Resp: 842

Ion Ratio Lower Upper

59 100

57 3.1 7.0 10.6#

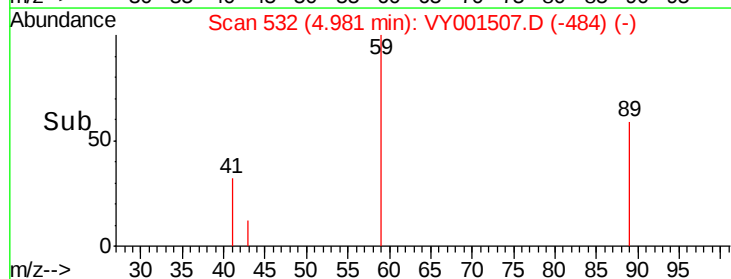


Abundance Ion 59.00 (58.70 to 59.70): VY001507.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001507.D (-484) (-)

4.98

Time-->



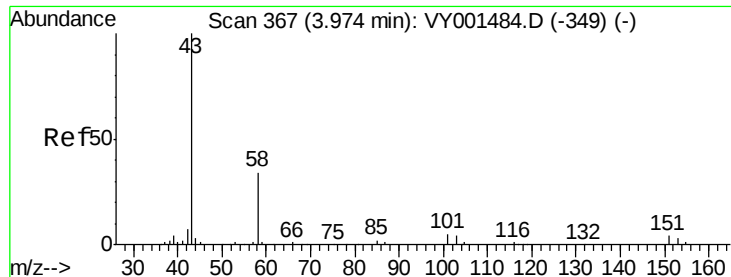
Abundance

Ion 59.00 (58.70 to 59.70): VY001507.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001507.D (-484) (-)

4.98

Time-->



#16

Acetone

Concen: 9.599 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001507.D

Acq: 05 Feb 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

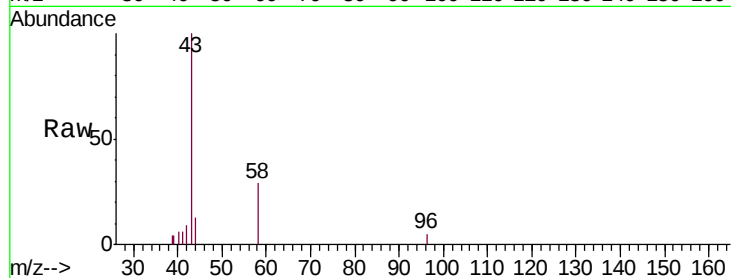
628-629RE

Tgt Ion: 43 Resp: 4649

Ion Ratio Lower Upper

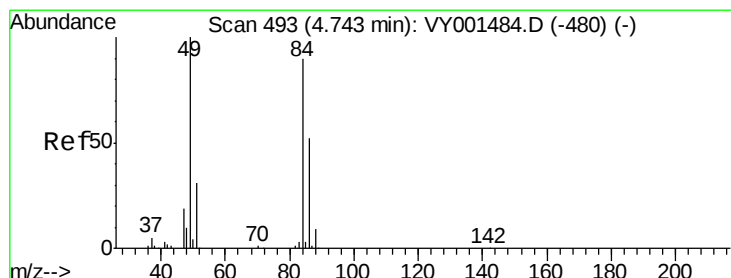
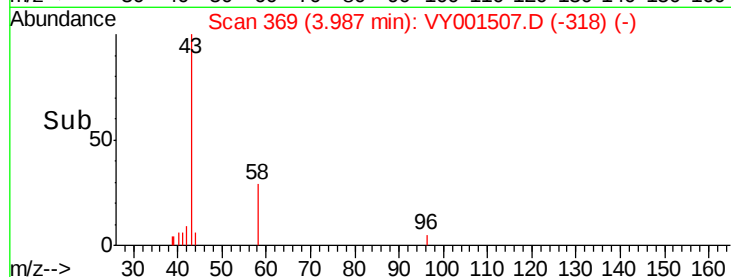
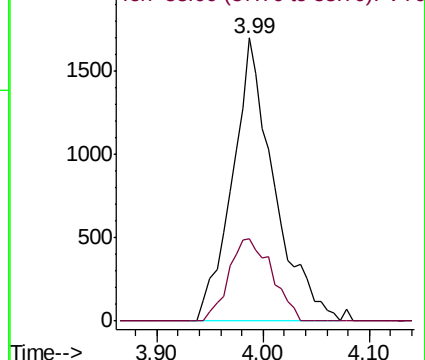
43 100

58 29.2 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001507.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VY001507.D (-369) (-)



#20

Methylene Chloride

Concen: 1.957 ug/l

RT: 4.76 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001507.D

Acq: 05 Feb 2020 15:20

Tgt Ion: 84 Resp: 12323

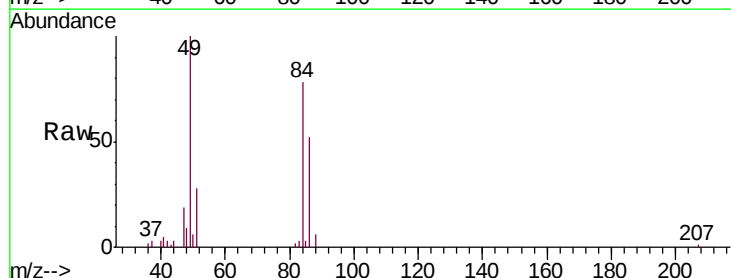
Ion Ratio Lower Upper

84 100

49 128.2 89.0 133.6

51 35.8 27.4 41.2

86 67.1 46.6 70.0

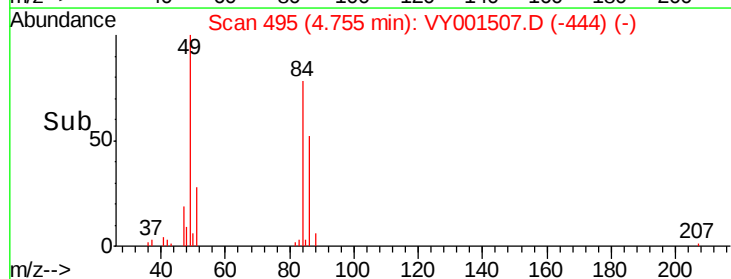
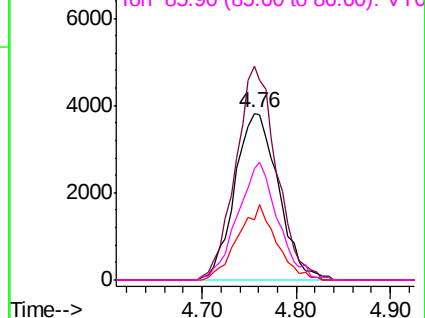


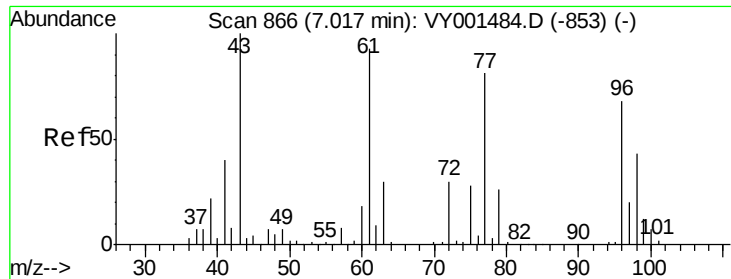
Abundance Ion 83.90 (83.60 to 84.60): VY001507.D (-495) (-)

Ion 48.90 (48.60 to 49.60): VY001507.D (-495) (-)

Ion 50.90 (50.60 to 51.60): VY001507.D (-495) (-)

Ion 85.90 (85.60 to 86.60): VY001507.D (-495) (-)

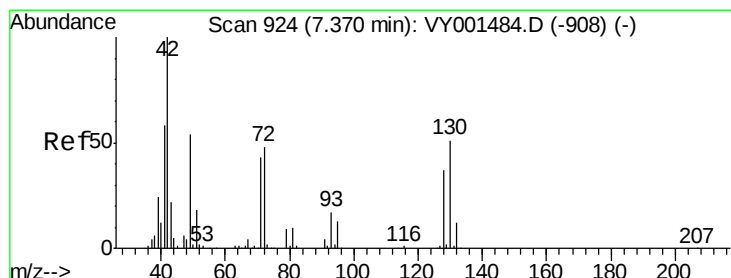
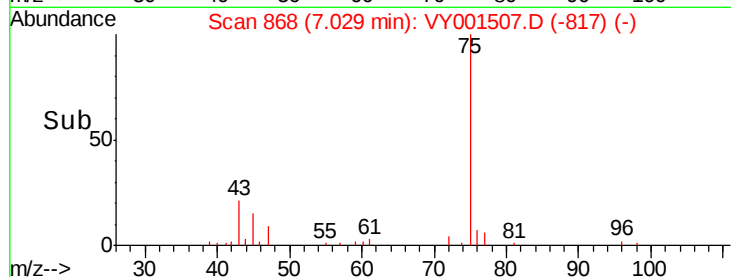
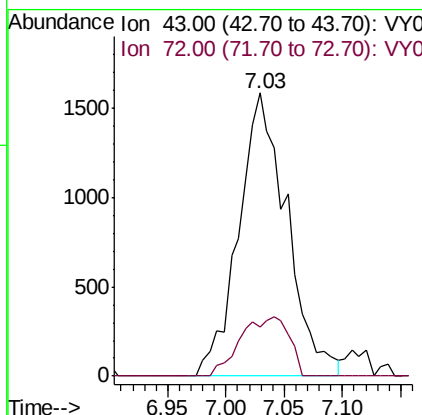
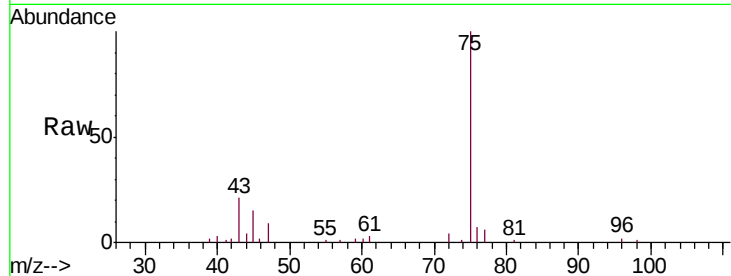




#25
 2-Butanone
 Concen: 7.287 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VY001507.D
 Acq: 05 Feb 2020 15:20

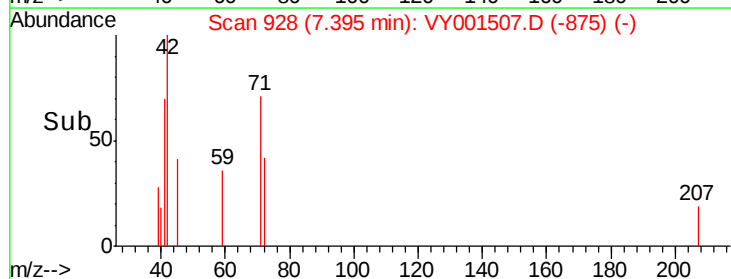
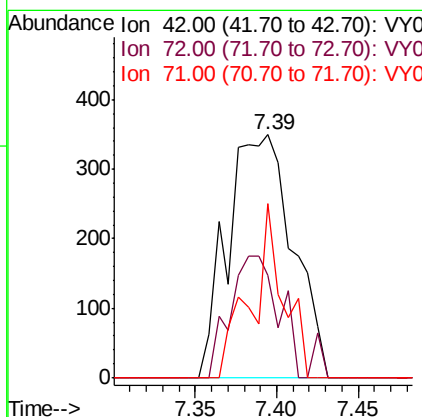
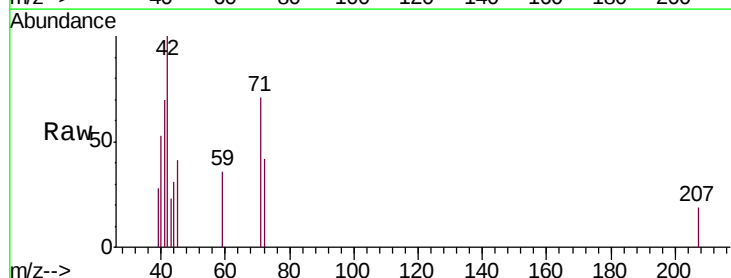
Instrument :
 MSVOA_Y
 ClientSampleId :
 628-629RE

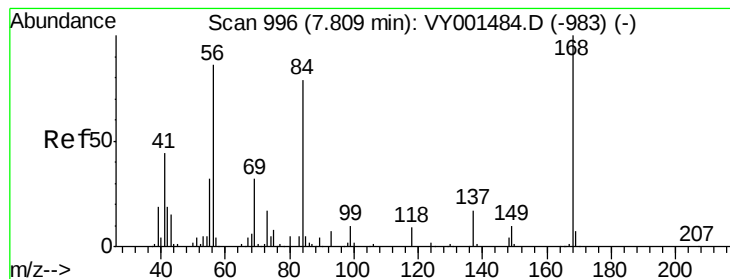
Tgt Ion: 43 Resp: 4579
 Ion Ratio Lower Upper
 43 100
 72 17.2 23.8 35.8#



#29
 Tetrahydrofuran
 Concen: 2.592 ug/l
 RT: 7.39 min Scan# 928
 Delta R.T. 0.02 min
 Lab File: VY001507.D
 Acq: 05 Feb 2020 15:20

Tgt Ion: 42 Resp: 976
 Ion Ratio Lower Upper
 42 100
 72 37.5 37.8 56.6#
 71 35.0 34.8 52.2





#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001507.D

Acq: 05 Feb 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

628-629RE

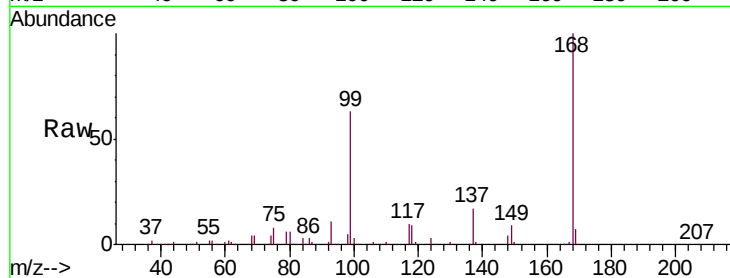
Tgt Ion: 56 Resp: 3744

Ion Ratio Lower Upper

56 100

69 190.6 29.6 44.4#

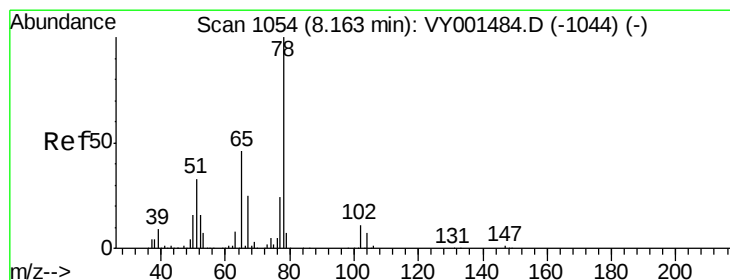
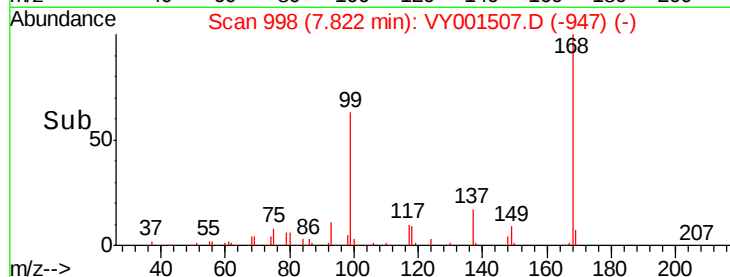
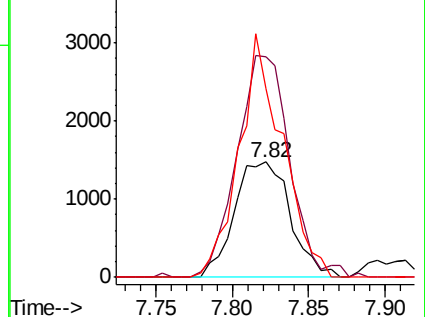
84 163.1 73.6 110.4#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 61.054 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001507.D

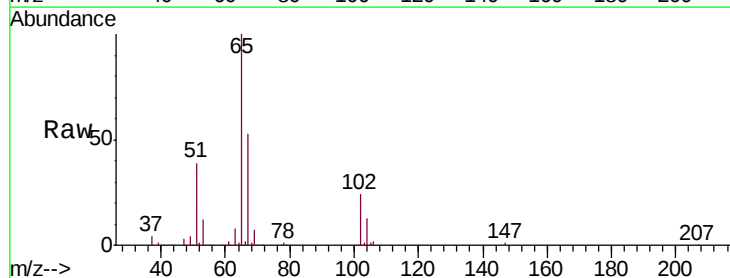
Acq: 05 Feb 2020 15:20

Tgt Ion: 65 Resp: 102229

Ion Ratio Lower Upper

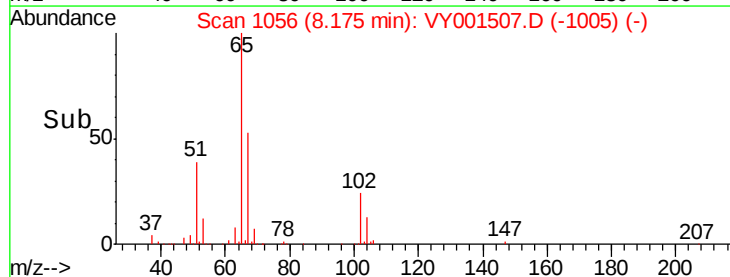
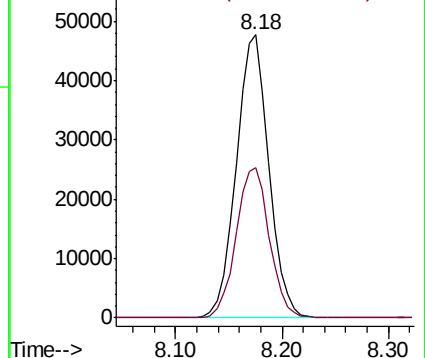
65 100

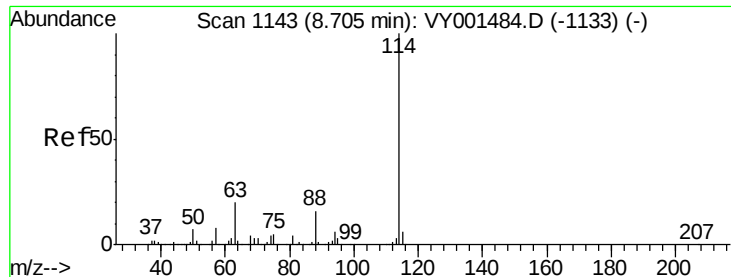
67 54.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

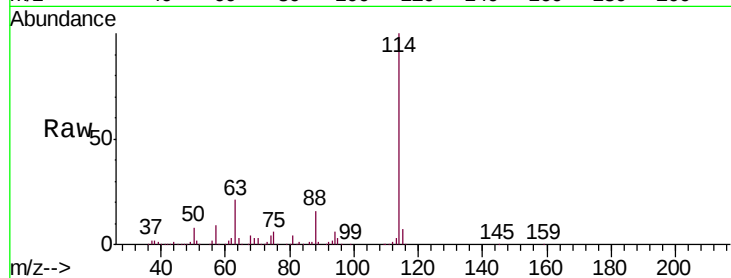




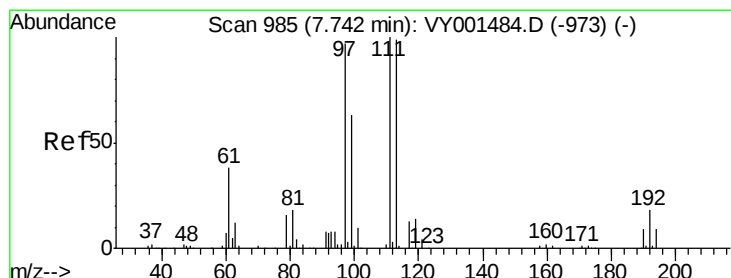
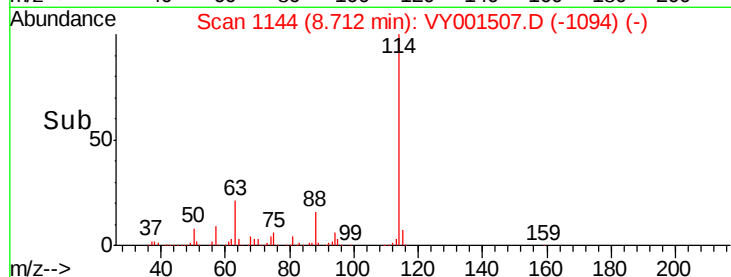
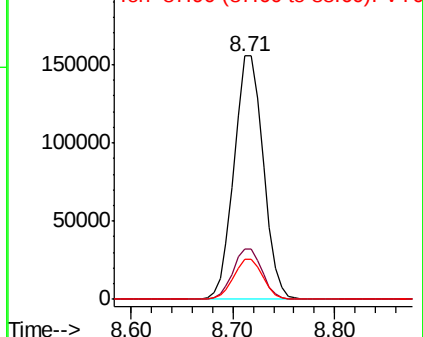
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001507.D
 Acq: 05 Feb 2020 15:20

Instrument :
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 628-629RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.8
88	16.4	0.0	32.6

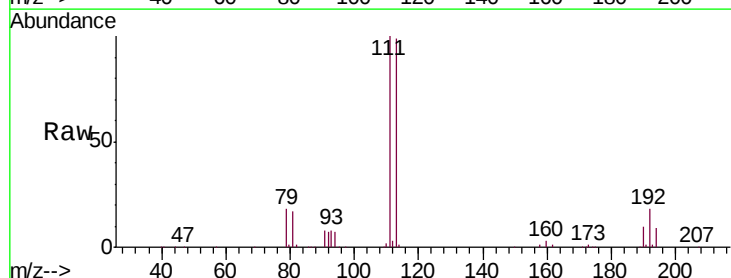


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0



#35
 Dibromofluoromethane
 Concen: 53.858 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001507.D
 Acq: 05 Feb 2020 15:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	17.8	14.6	22.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

