LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100620\
Data File : VX018797.D
Acq On : 06 Oct 2020 14:15
Operator : JC/SP
Sample : L4240-04 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.386	45	49	53	rBV	60014	64026	2.71%	0.764%
2	1.453	53	60	62	rBV	13040	30385	1.29%	0.363%
3	1.697	96	100	108	rVB	55884	65819	2.79%	0.785%
4	2.343	200	206	219	rVB	118181	184092	7.79%	2.197%
5	2.825	278	285	303	rVB	49991	124866	5.29%	1.490%
6	3.148	328	338	351	rBV	246716	563881	23.87%	6.729%
7	3.495	387	395	407	rBV3	13621	33186	1.40%	0.396%
8	4.111	489	496	507	rVB4	8630	26279	1.11%	0.314%
9	4.373	528	539	551	rVB	192348	552699	23.39%	6.596%
10	4.544	553	567	579	rBV	66408	228594	9.68%	2.728%
11	5.135	653	664	676	rBV2	75997	234386	9.92%	2.797%
12	5.550	723	732	741	rVB3	21198	61527	2.60%	0.734%
13	6.044	801	813	832	rBV2	180096	543072	22.99%	6.481%
14	6.830	931	942	951	rBV	131180	333452	14.11%	3.979%
15	7.367	1021	1030	1040	rBV	114714	247455	10.47%	2.953%
16	8.373	1188	1195	1204	rBV	74849	126537	5.36%	1.510%
17	8.696	1241	1248	1256	rVB	279103	431860	18.28%	5.154%
18	8.994	1291	1297	1310	rVB	52472	86375	3.66%	1.031%
19	9.427	1362	1368	1377	rBV	396875	550949	23.32%	6.575%
20	10.122	1471	1482	1495	rBV2	1493529	2362516	100.00%	28.194%
21	10.232	1495	1500	1505	rVV	38648	52916	2.24%	0.631%
22	10.342	1513	1518	1524	rVB2	34108	50002	2.12%	0.597%
23	11.232	1656	1664	1672	rBV	118930	159896	6.77%	1.908%
24	11.793	1751	1756	1761	rVB	31171	38286	1.62%	0.457%
25	12.006	1787	1791	1795	rBV	44322	60614	2.57%	0.723%
26	12.061	1795	1800	1807	rVV2	296271	432324	18.30%	5.159%
27	12.286	1832	1837	1844	rBV2	32008	53144	2.25%	0.634%
28	12.360	1844	1849	1857	rVB	357929	459882	19.47%	5.488%
29	12.652	1893	1897	1900	rBV	29827	35221	1.49%	0.420%
30	12.963	1940	1948	1951	rVV	22806	31864	1.35%	0.380%
31	13.000	1951	1954	1961	rVB	38215	45894	1.94%	0.548%
32	13.329	2004	2008	2019	rVB2	43591	72633	3.07%	0.867%
33	13.884	2096	2099	2105	rBV2	20458	34819	1.47%	0.416%

LSC Area Percent Report

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Operator : JC/SP
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Title : TRACE VOA SOM01.0

Sum of corrected areas: 8379451

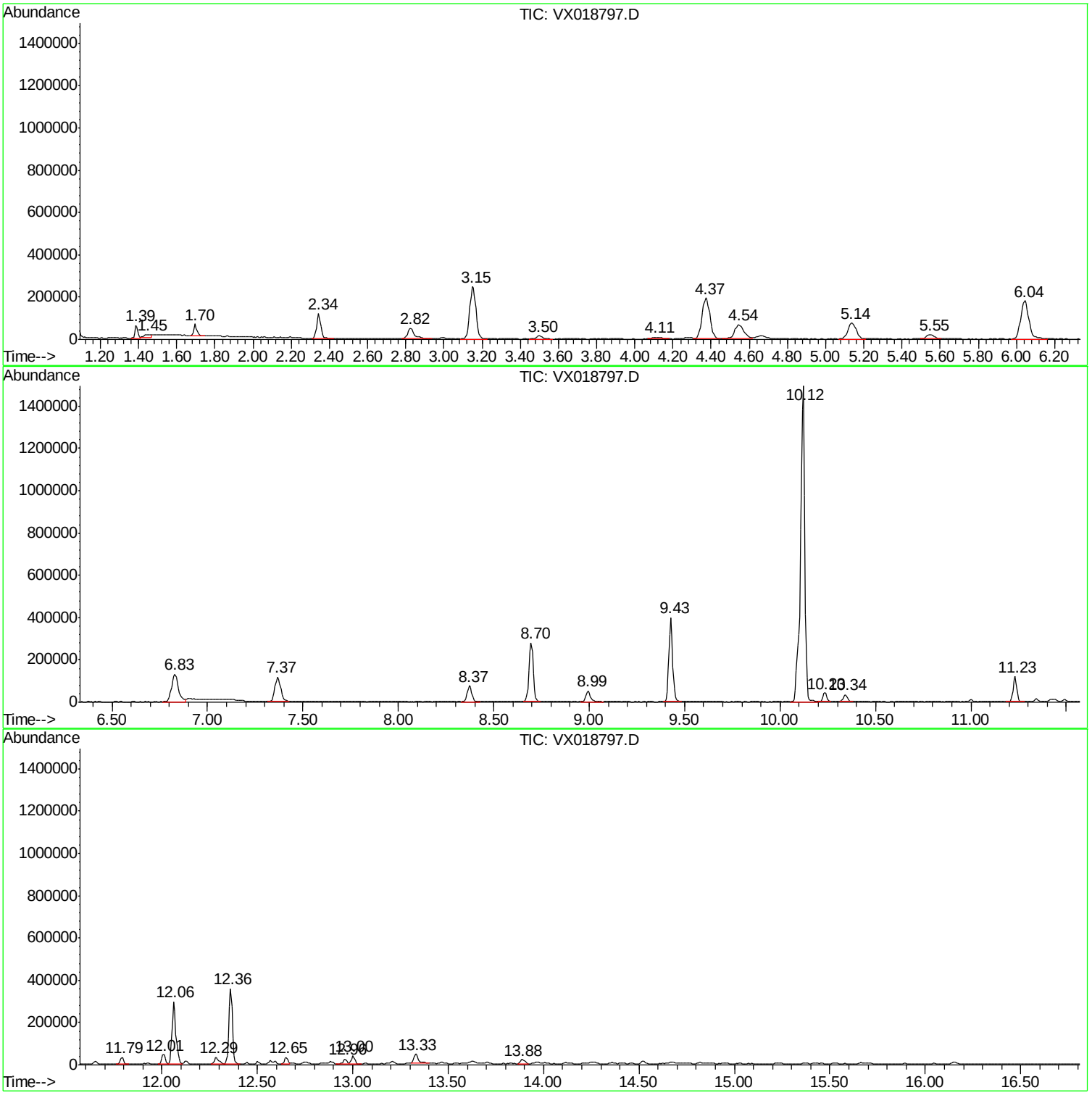
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100620\
Data File : VX018797.D
Acq On : 06 Oct 2020 14:15
Operator : JC/SP
Sample : L4240-04 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100620\
Data File : VX018797.D
Acq On : 06 Oct 2020 14:15
Operator : JC/SP
Sample : L4240-04 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

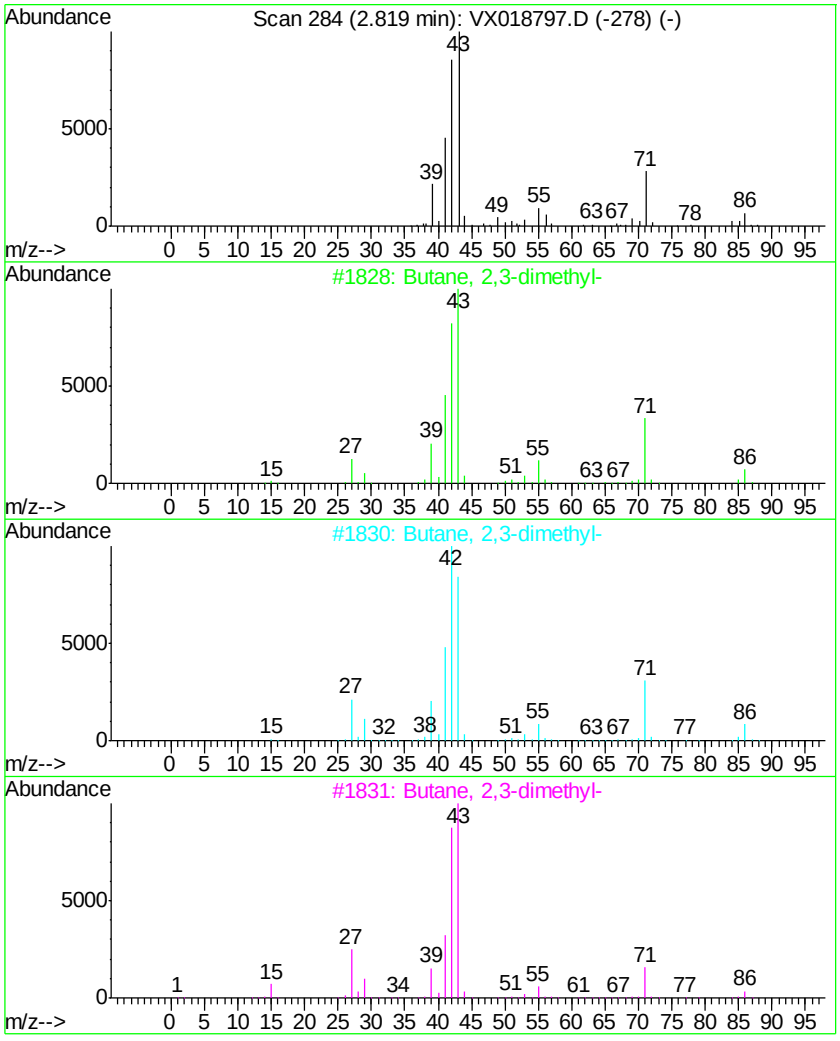
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

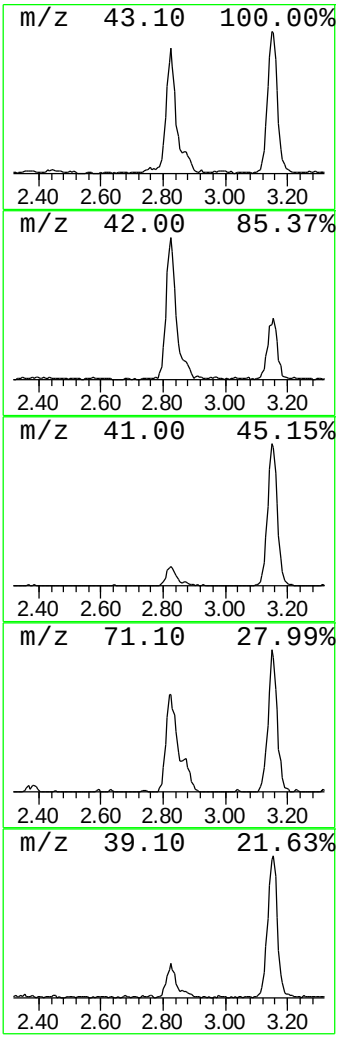
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.82	1.87 ug/L	124866	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	83
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	56
5	Pentane	72	C5H12	000109-66-0	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100620\
Data File : VX018797.D
Acq On : 06 Oct 2020 14:15
Operator : JC/SP
Sample : L4240-04 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

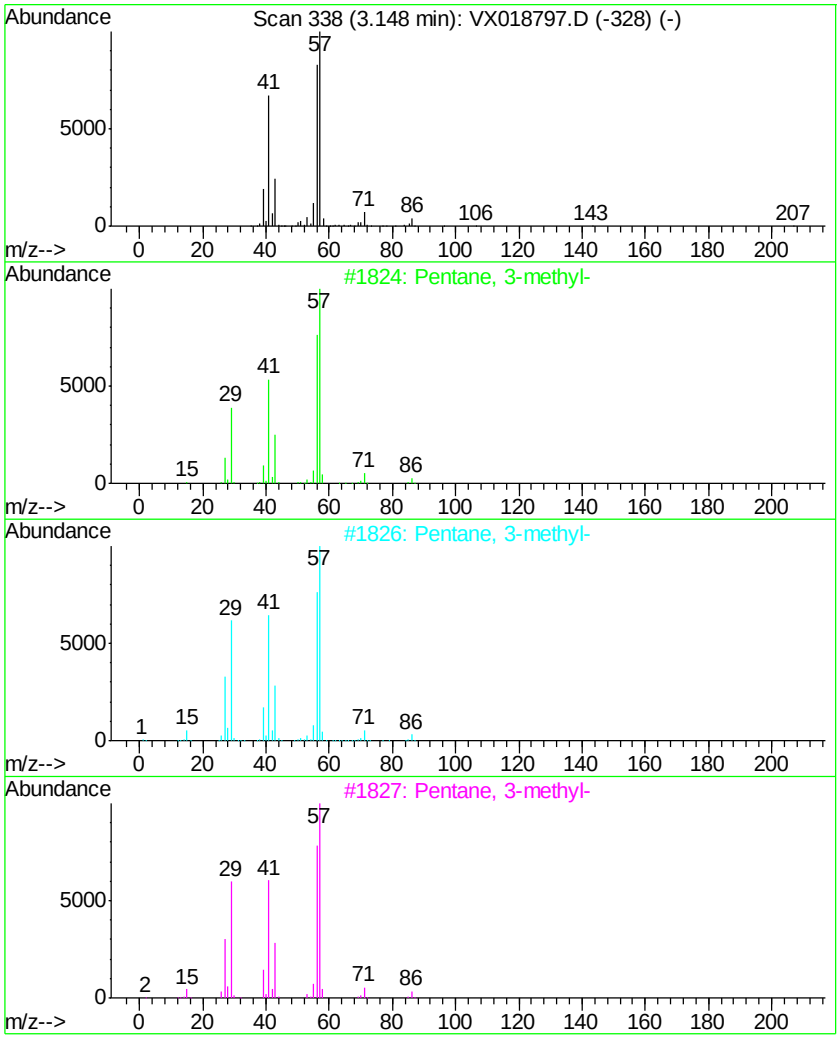
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

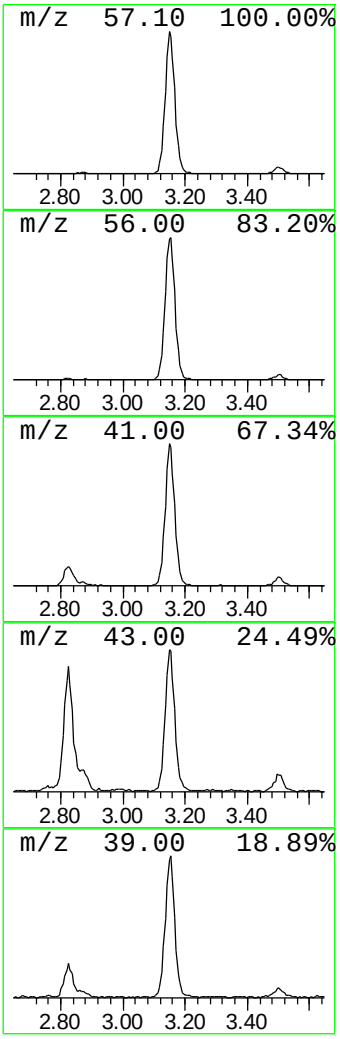
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	8.46 ug/L	563881	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100620\
Data File : VX018797.D
Acq On : 06 Oct 2020 14:15
Operator : JC/SP
Sample : L4240-04 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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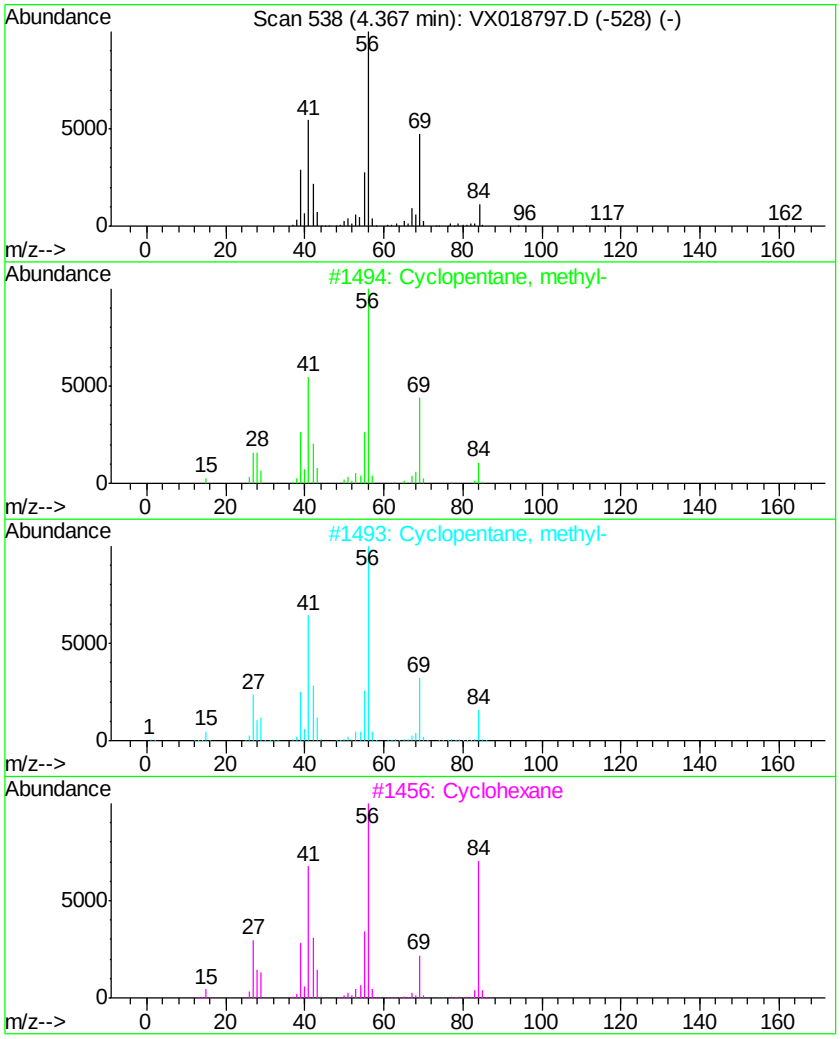
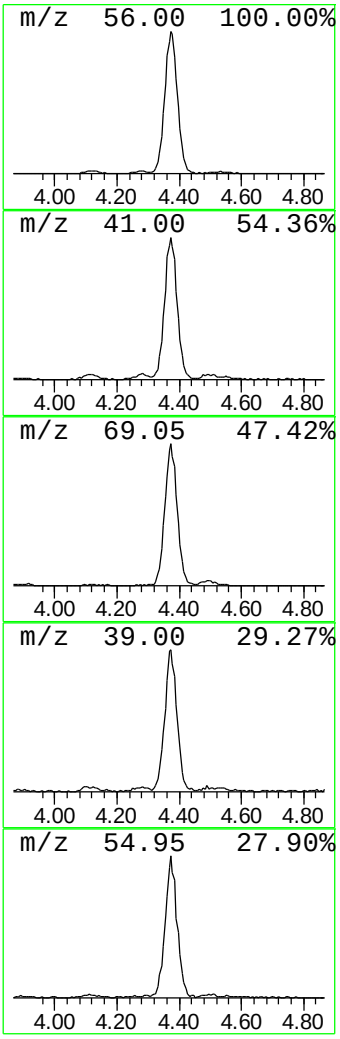
Peak Number 3 (DEL) Alkane: Cyclic4.37 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	8.29 ug/L	552699	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclohexane	84	C6H12	000110-82-7	90
4	Cyclohexane	84	C6H12	000110-82-7	87
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100620\
Data File : VX018797.D
Acq On : 06 Oct 2020 14:15
Operator : JC/SP
Sample : L4240-04 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

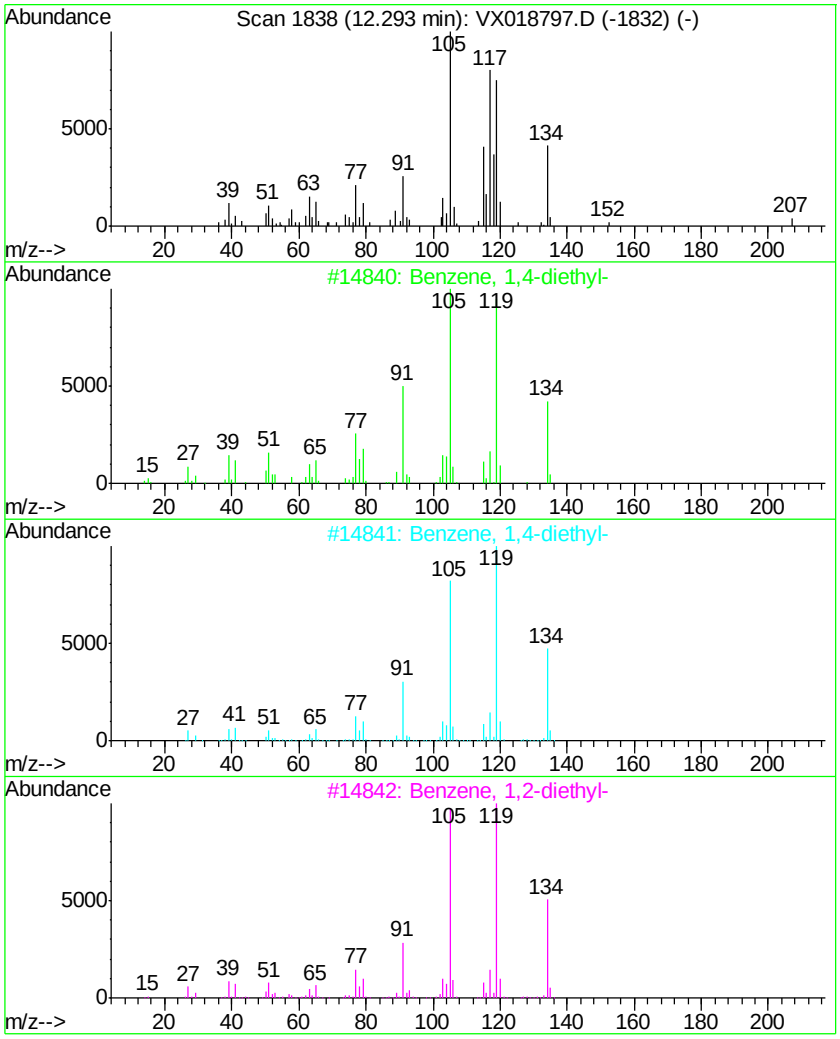
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

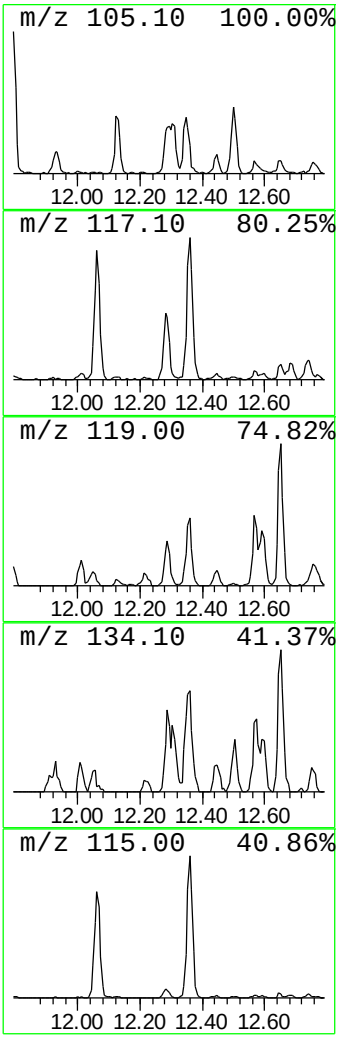
****

Peak Number 5 Benzene, 1,4-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	0.61 ug/L	53144	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	89
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	50
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50
5	Deltacyclene	118	C9H10	007785-10-6	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100620\
Data File : VX018797.D
Acq On : 06 Oct 2020 14:15
Operator : JC/SP
Sample : L4240-04 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

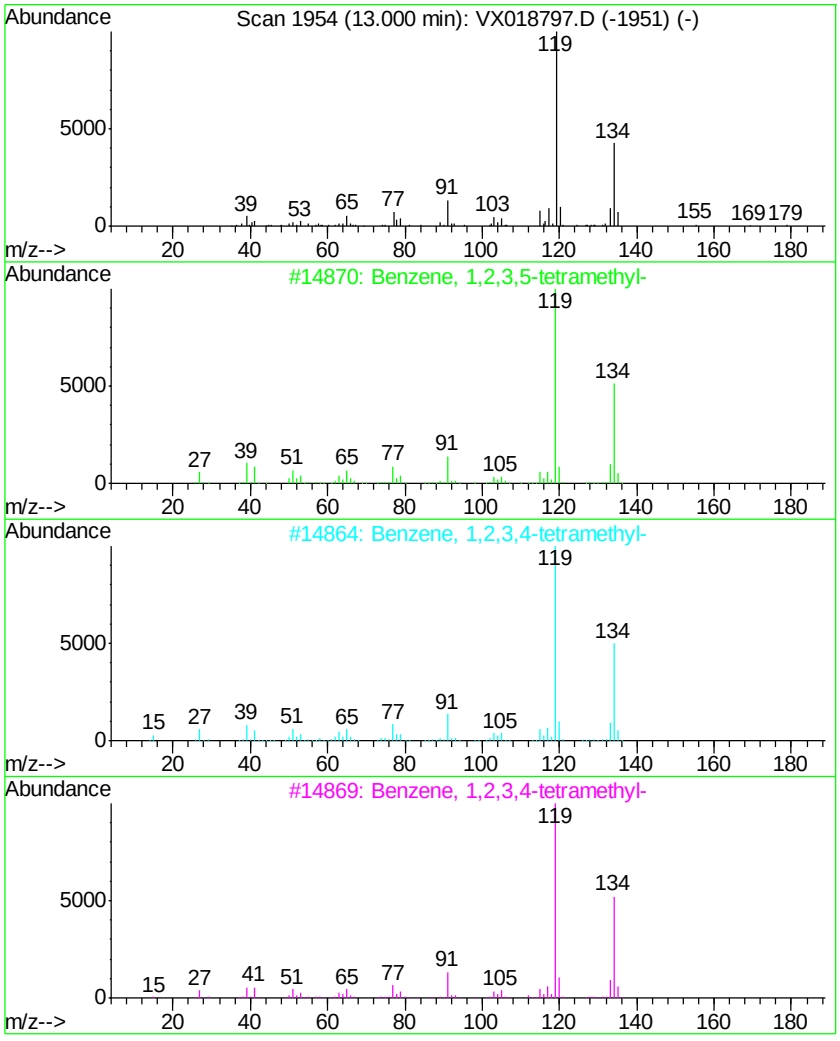
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

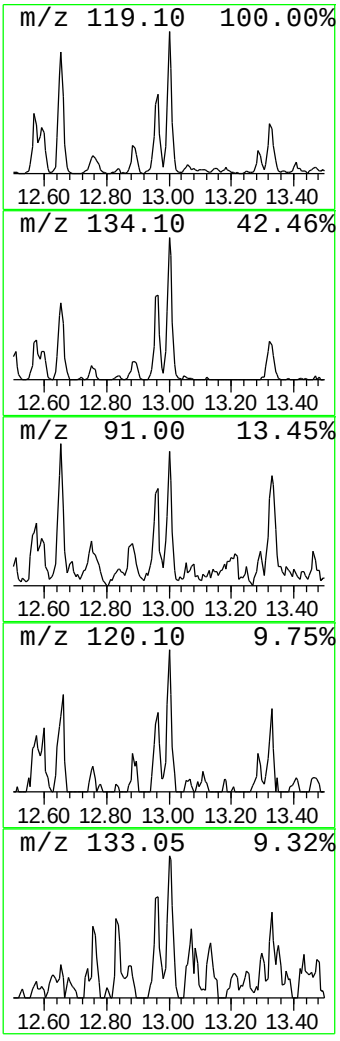
****

Peak Number 6 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	0.53 ug/L	45894	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





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Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3R2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

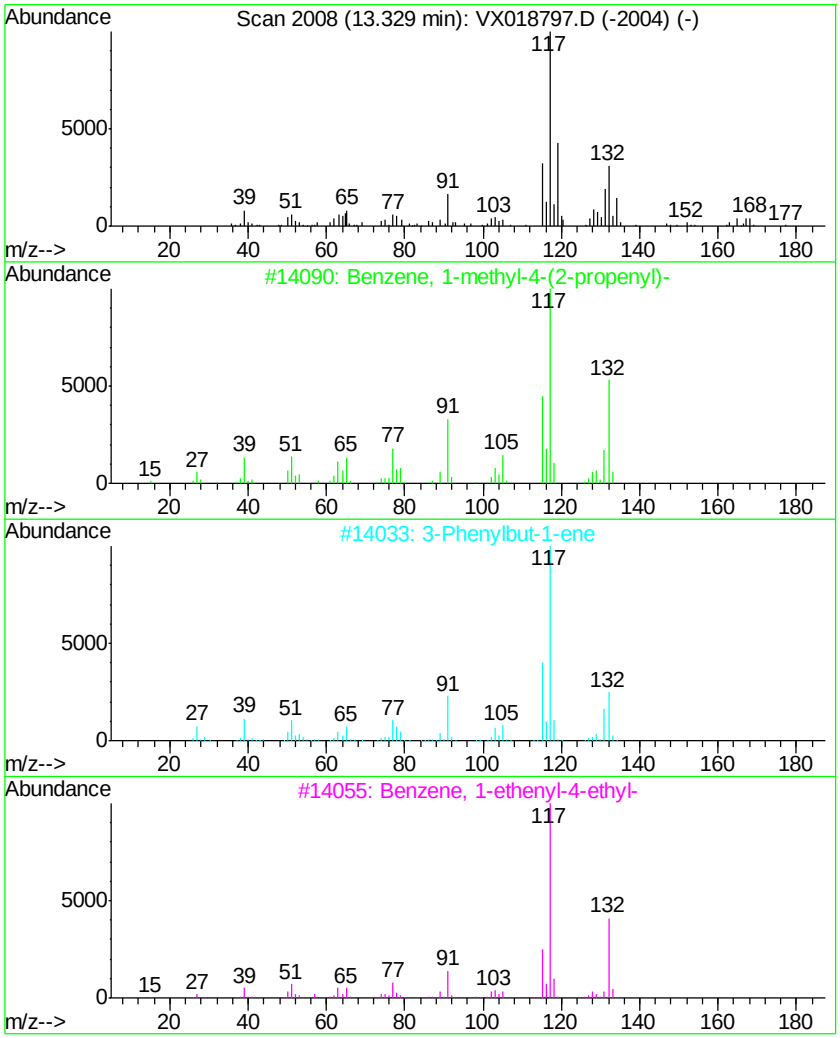
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

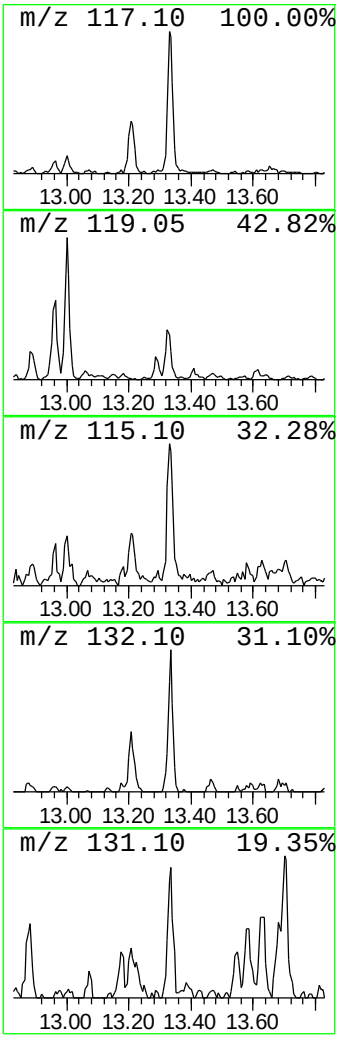
****

Peak Number 7 Benzene, 1-methyl-4-(2-prop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	0.84 ug/L	72633	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	60
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60





Tentatively Identified Compound (LSC) summary

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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.82	1.9	ug/L	124866	1	6.83	333452	5.0
(DEL) Alkane: Str...	3.15	8.5	ug/L	563881	1	6.83	333452	5.0
(DEL) Alkane: Cyc...	4.37	8.3	ug/L	552699	1	6.83	333452	5.0
Benzene, 1,4-diet...	12.29	0.6	ug/L	53144	3	12.06	432324	5.0
Benzene, 1,2,3,5-...	13.00	0.5	ug/L	45894	3	12.06	432324	5.0
Benzene, 1-methyl...	13.33	0.8	ug/L	72633	3	12.06	432324	5.0